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*Site Information*

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**Closure Report**  
**Zinnia BKC Federal #1**  
**Eddy County, New Mexico**  
**Unit E Sec 27 T20S R29E**  
**2RP-759**  
**32.546017°, -104.069121°**

**Produced Water Release**  
**Source: Water Tank**  
**Release Date: 01/14/2010**  
**Volume Released: 8 bbls/PW**  
**Volume Recovered: 0 bbls/PW**

**Prepared for:**  
**EOG Resources**  
**5509 Champions Dr.**  
**Midland, TX 79706**

**Prepared by:**  
**NTG Environmental**  
**701 Tradewinds Blvd**  
**Suite C**  
**Midland, TX 79706**





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### **APPENDICES**

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APPENDIX B	GROUNDWATER RESEARCH
APPENDIX C	LABORATORY ANALYTICAL REPORTS





701 Tradewinds Boulevard, Suite C  
Midland, Texas 79706  
Tel. 432.685.3898  
www.ntglobal.com

May 4, 2021

Mr. Bradford Billings  
New Mexico Oil Conservation Division  
5200 Oakland Ave N.E Suite100  
Albuquerque, NM 87113

**Re: Closure Report**  
**Zinnia BKC Federal #1 2RP-759**  
**EOG Resources Inc.**  
**Site Location: Unit E, S27, T20S, R29E**  
**(Lat 32.546017°, Long -104.069121°)**  
**Eddy County, New Mexico**

To whom it may concern:

On behalf of EOG Resources Inc. (EOG), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remediation activities for Zinnia BKC Federal #1 2RP-759. The site is located at 32.546017°, -104.069121° within Unit E, S27, T20S, R29E, and approximately 12.78 miles Northeast of Carlsbad, New Mexico, in Eddy County (Figures 1 and 2).

### **Background**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the leak was discovered on January 14, 2010. It resulted in the release of approximately eight (8) barrels of produced water tank release, and zero (0) barrels of produced water were recovered. The impacted area measured approximately 50' x 13', as shown on Figure 3. The initial C-141 form is attached in Appendix A.

### **Site Characterization**

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineer's and USGS databases, there is one known water source within ½ mile radius of the location. The identified well is located approximately 0.29 miles West of the site in S28, T20S, R29E. The well has a reported depth to groundwater of 90 feet below ground surface (ft bgs). A copy of the associated *Point of Diversion Summary* report is attached in Appendix B.

### **Regulatory Criteria**

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).



- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride 600 mg/kg

### **Site Assessment**

On March 16, 2021, NTGE conducted site assessment activities to assess soil impacts resulting from the release. A total of five (5) sample points were advanced to depths ranging surface – 1.5 ft bgs within and surrounding the release area to assess the vertical and horizontal extent of potential impacts. The soil sample locations are shown on Figure 3.

The soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Xenco Laboratories in Midland, Texas, for chemical analysis. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015 modified, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports containing analytical methods, results, and chain-of-custody documents are attached in Appendix C. The analytical results are provided in Table 1.

Referring to Table 1, the area of S1 showed a high concentration of 153 mg/kg for TPH at surface. The area of S2 showed a high chloride concentration of 691 mg/kg at surface to 1.0' and 679 mg/kg at 1.0'-1.5' below surface. In addition, the area of S2 showed a TPH concentration of 348 mg/kg, then decreased with depth. H-2 and H-3 both showed high TPH concentrations of 148 mg/kg and 1,360 mg/kg. The area of H-2 showed a chloride concentration of 250 mg/kg and H-3 with a concentration of 1,080 mg/kg, respectively. All samples are below the NMOCD regulatory criteria for BTEX. Due to the dense formation, NTGE was not able to get deeper samples.

### **Remediation Activities and Confirmation Sampling**

New Tech Global Environmental personnel were onsite from March 30, 2021, through April 5, 2021, to supervise the remediation activities and collect confirmation samples. Before remediating the site, the lines were hydro vacted and hand spotted for safety concerns. The areas of S-1 and S-2 were excavated to a depth of 1.5' - 2.5' below surface.

A total of six (6) confirmation samples were collected (CS-1 through CS-6), and nine (9) sidewall samples (SW-1 through SW-9) were collected every 200 square feet to ensure proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

Referring to Table 1, none of the final confirmation samples showed TPH, benzene, or total BTEX above the reporting limits. All final confirmation samples for chloride were below 600 mg/kg.



Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 100 cubic yards of material were excavated and transported offsite for proper disposal

**Conclusions**

Based on the finding of the assessment and the analytical results, no further actions are required at the site. The final C-141 is attached, and EOG formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-0263.

Sincerely,  
**NTG Environmental**



Mike Carmona  
Senior Project Manager



Conner Moehring  
Project Manager

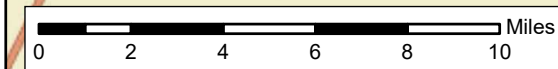
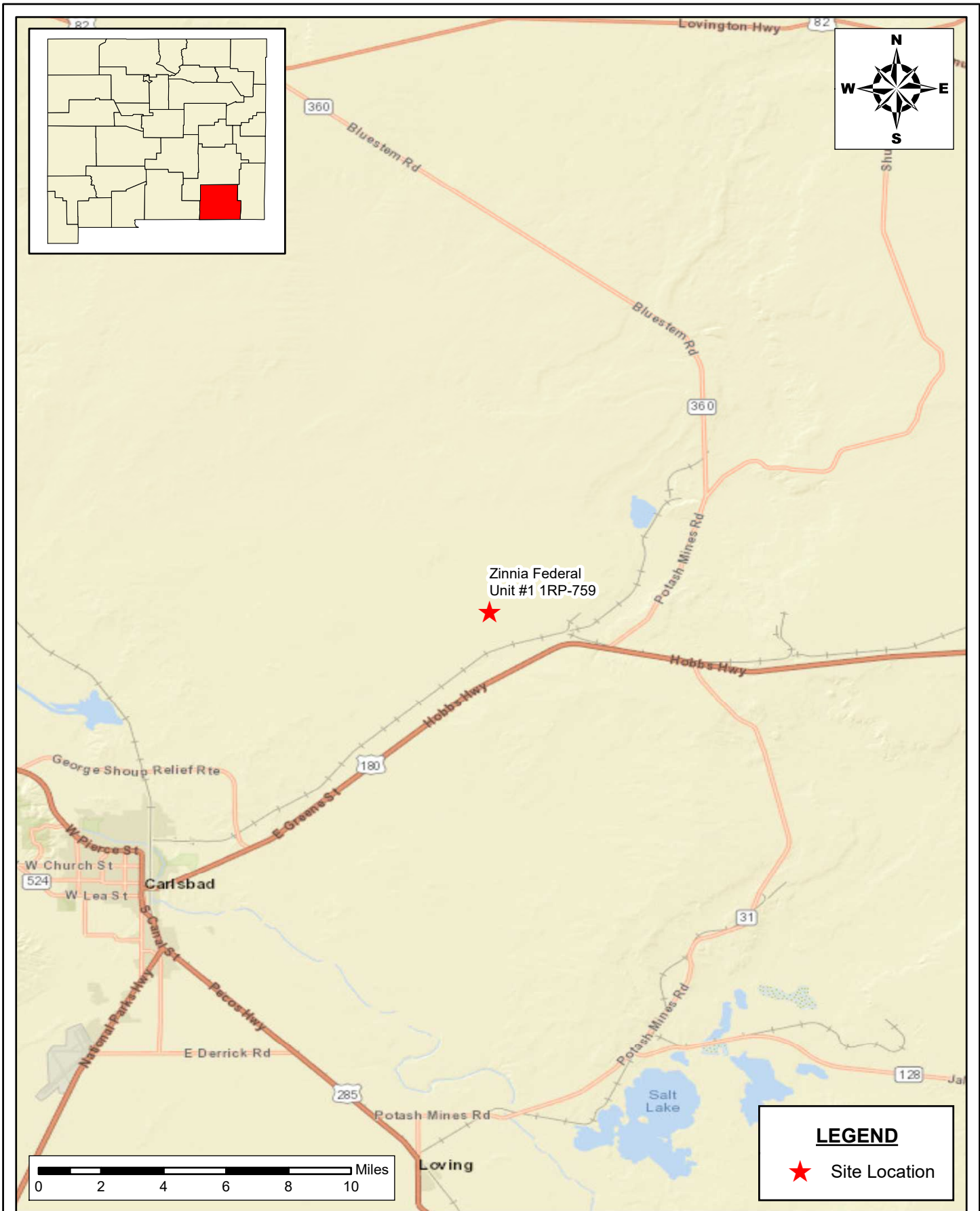




## *Figures*



Document Path: P:\2021 PROJECTS\EOG\214052 - Zinnia Federal Unit #1 2RP-759\7 - Figures\GIS\Geodatabase\Figure\_1\_SLMMap\_04162021.mxd



**LEGEND**

★ Site Location

**SITE LOCATION MAP**  
 EOG RESOURCES  
 ZINNIA FEDERAL UNIT #1 2RP-759  
 EDDY COUNTY, NM  
 32.546017, -104.069121

SCALE: As Shown    DATE: 03/09/2021    PROJECT #: 214052

**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntglobal.com



**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

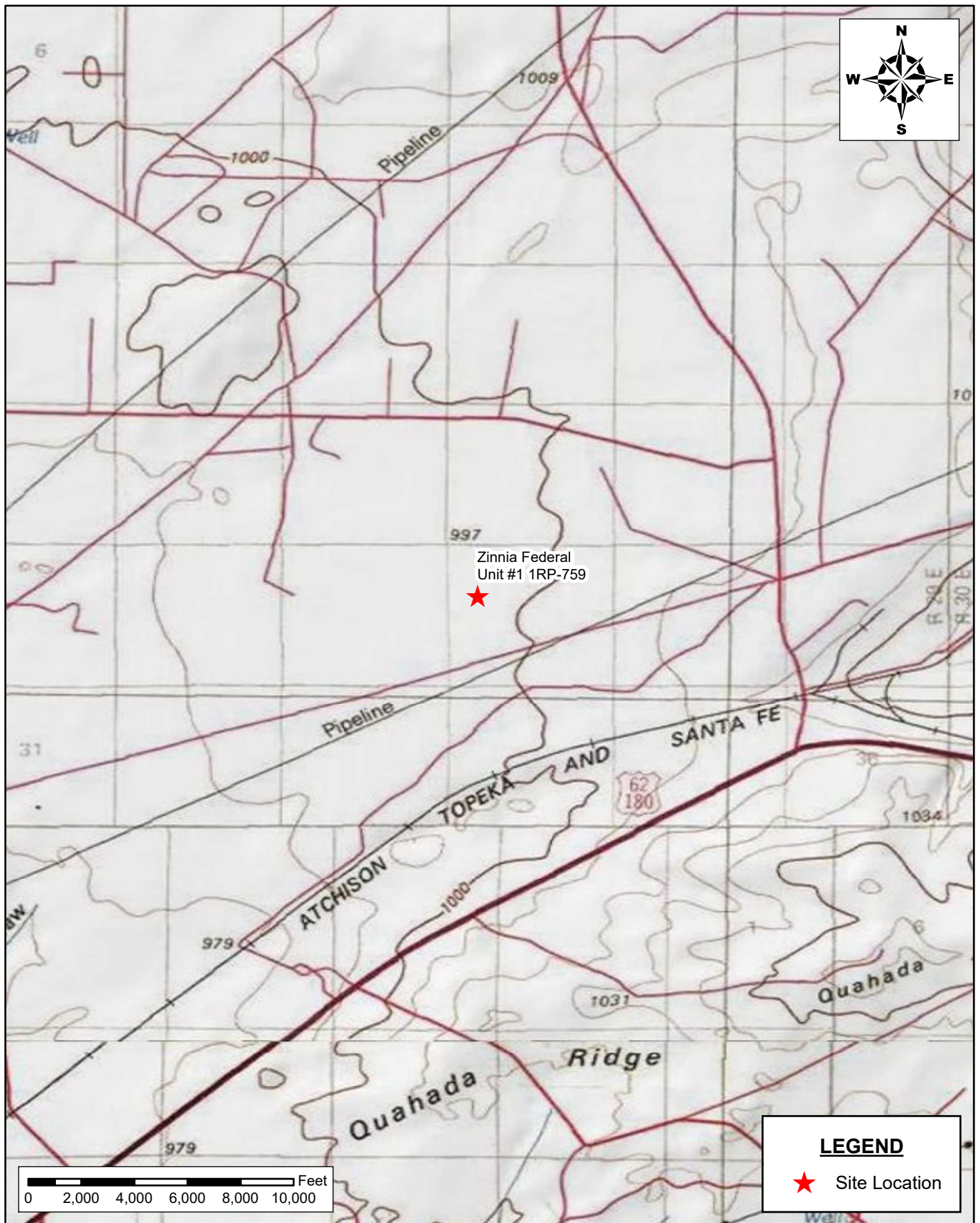
**FIGURE 1**

SHEET NUMBER:

**1 of 1**



Document Path: P:\2021 PROJECTS\EOG\214052 - Zinnia Federal Unit #1 2RP-759\7 - Figures\GIS\Geodatabase\Figure\_2\_AREAMap\_04162021.mxd



0 2,000 4,000 6,000 8,000 10,000 Feet

**LEGEND**

★ Site Location

**AREA MAP**  
EOG RESOURCES  
ZINNIA FEDERAL UNIT #1 2RP-759  
EDDY COUNTY, NM  
32.546017, -104.069121

SCALE: As Shown    DATE: 03/18/2015    PROJECT #: 214052



**New Tech Global Environmental, LLC**  
911 Regional Park Drive  
Houston, Texas 77060  
T - 281.872.9300  
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Web: www.ntglobal.com

**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

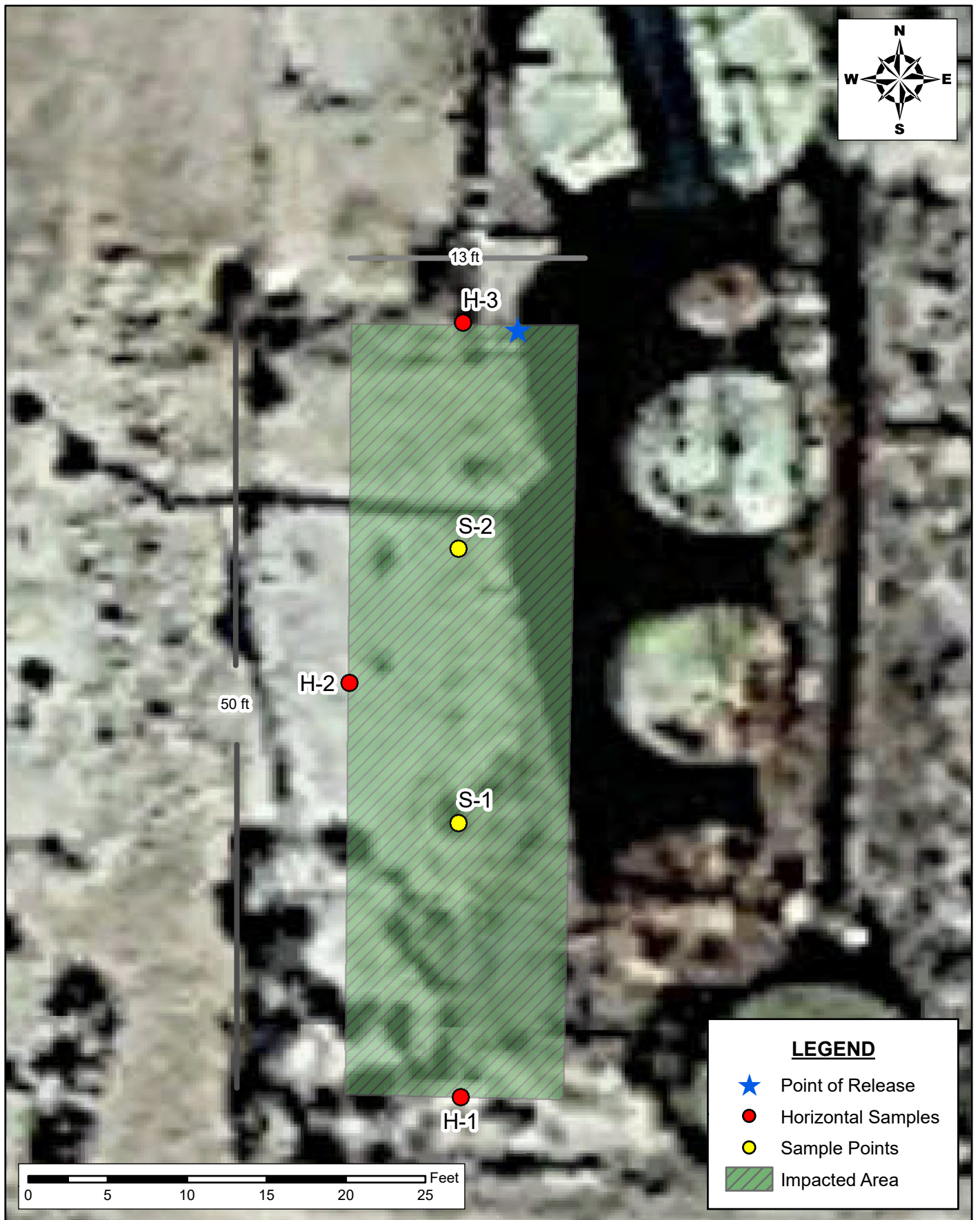
**FIGURE 2**

SHEET NUMBER:

**1 of 1**



Document Path: P:\2021 PROJECTS\EOG\214052 - Zinnia Federal Unit #1 2RP-759\7 - Figures\GIS\Geodatabase\Figure\_3\_Sample Location Map\_04162021.mxd



**SAMPLE LOCATION MAP**  
 EOG RESOURCES  
 ZINNIA FEDERAL UNIT #1 2RP-759  
 EDDY COUNTY, NM  
 32.541 N, -104.06 W

SCALE: As Shown

DATE: 5/3/2021

PROJECT #: 214052



**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
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**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

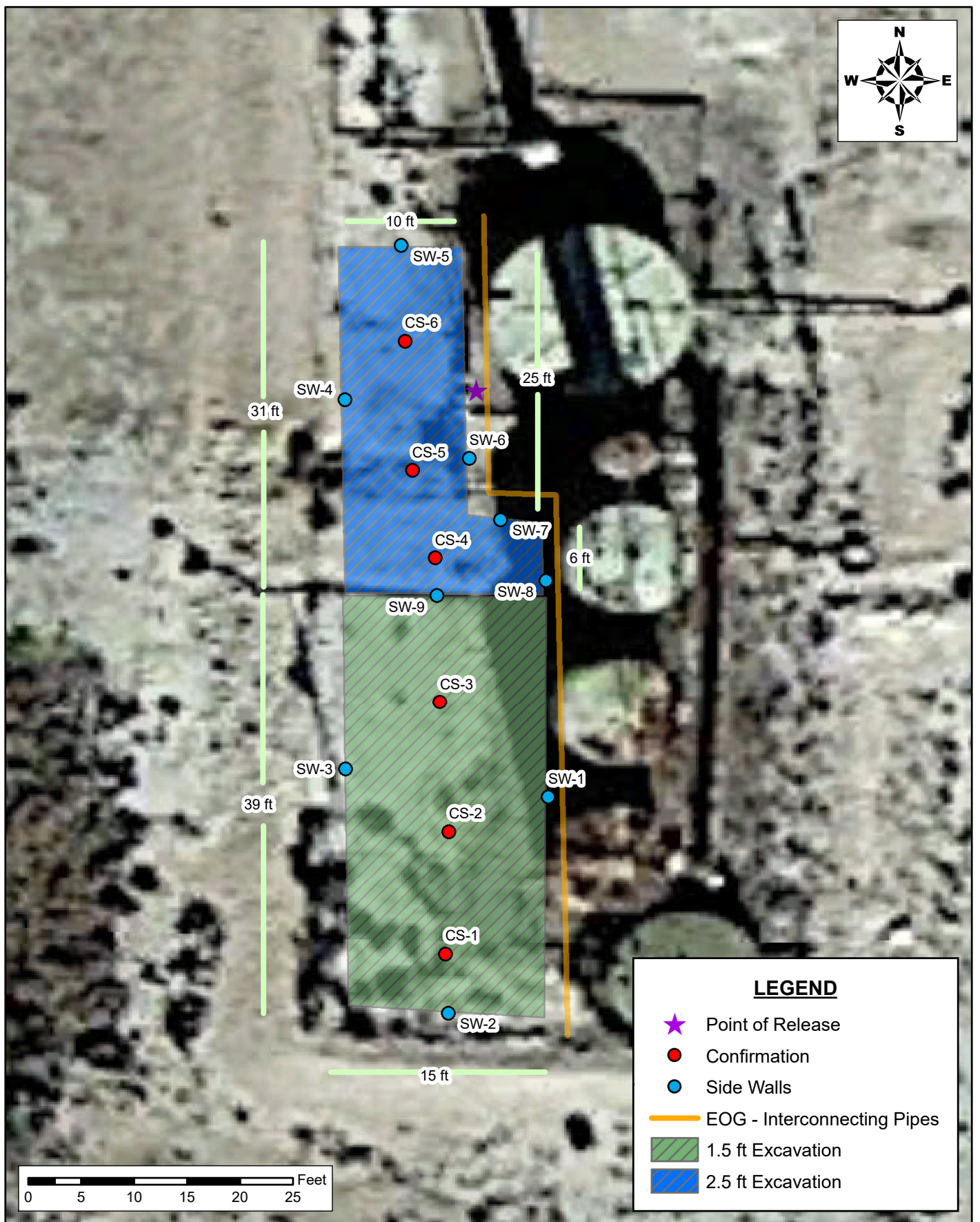
**FIGURE 3**

SHEET NUMBER:

**1 of 1**



Document Path: P:\2021 PROJECTS\EOG\214052 - Zinnia Federal Unit #1 2RP-759\7 - Figures\GIS\Geodatabase\Figure\_4\_Confirmation Sample Map\_04162021.mxd



**SAMPLE LOCATION MAP**  
 EOG RESOURCES  
 ZINNIA FEDERAL UNIT #1 2RP-759  
 EDDY COUNTY, NM  
 32.546017, -104.069121

SCALE: As Shown

DATE: 4/16/2021

PROJECT #: 214052



**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntglobal.com

**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

**FIGURE 4**

SHEET NUMBER:

**1 of 1**





## *Tables*



**Table 1**  
**EOG Resources**  
**Zinnia Federal #1 2RP-759**  
**Eddy County, New Mexico**

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			DRO	GRO	MRO	Total						
S-1	10/1/2021	0.5	153	110	110	153	1000	1000	1000	1000	1000	1000
	10/1/2021	1.0	110	110	110	110	1000	1000	1000	1000	1000	1000
S-2	10/1/2021	0.5	348	110	110	348	1000	1000	1000	1000	1000	691
	10/1/2021	1.0	110	110	110	110	1000	1000	1000	1000	1000	679
H-1	10/1/2021	0.5	110	110	110	110	1000	1000	1000	1000	1000	1000
H-2	10/1/2021	0.5	148	110	110	148	1000	1000	1000	1000	1000	1000
H-3	10/1/2021	0.5	1,360	110	110	1,360	1000	1000	1000	1000	1000	1,080
<b>Regulatory Limits</b>							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

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**Table 2**  
**EOG Resources**  
**Zinnia Federal #1 2RP-759**  
**Eddy County, New Mexico**

Sample ID	Date	Excavation Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			DRO	GRO	MRO	Total						
ÔÙĚ	1 0 0 0 0 0	ĤĚ	Ĥ1 Ĵ0	Ĥ1 Ĵ0	Ĥ1 Ĵ0	Ĥ1 Ĵ0	Ĥ0ĚĤĴĴ	Ĥ0ĚĤĴĴ	Ĥ0ĚĤĴĴ	Ĥ0ĚĤĴĴ	Ĥ0ĚĤĴĴ	ĤĴ Ĵ
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ÔÙĤĚ	1 0 0 0 0 0	ĜĚ	Ĥ1 Ĵ0	Ĥ1 Ĵ0	Ĥ1 Ĵ0	Ĥ1 Ĵ0	Ĥ0ĚĚĜĜ	Ĥ0ĚĚĜĜ	Ĥ0ĚĚĜĜ	Ĥ0ĚĚĜĤ	Ĥ0ĚĚĜĜ	ĤĴ Ĵ
ÔÙĤĚ	1 0 0 0 0 0	ĜĚ	ĤĴĚĚ	ĤĴĚĚ	ĤĴĚĚ	ĤĴĚĚ	Ĥ0ĚĚĜĚĚ	Ĥ0ĚĚĜĚĚ	Ĥ0ĚĚĜĚĚ	Ĥ0ĚĚĚĤ	Ĥ0ĚĚĜĚĚ	ĤĴ Ĵ
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	1 0 0 0 0 0	Ě	Ĥ1 Ĵ0	Ĥ1 Ĵ0	Ĥ1 Ĵ0	Ĥ1 Ĵ0	Ĥ0ĚĤĴĴĴ	Ĥ0ĚĤĴĴĴ	Ĥ0ĚĤĴĴĴ	Ĥ0ĚĤĴĴ	Ĥ0ĚĤĴĴĴ	ĴĤĚ
ÙŸ ĚĚ	1 0 0 0 0 0	Ě	Ĥ1 Ĵ0	Ĥ1 Ĵ0	Ĥ1 Ĵ0	Ĥ1 Ĵ0	Ĥ0ĚĚĜĜ	Ĥ0ĚĚĜĜ	Ĥ0ĚĚĜĜ	Ĥ0ĚĚĚ	Ĥ0ĚĚĜĜ	ĴĤĤ
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	1 0 0 0 0 0	Ě	ĤĴĚĚ	ĤĴĚĚ	ĤĴĚĚ	ĤĴĚĚ	Ĥ0ĚĤĴĴĴ	Ĥ0ĚĤĴĴĴ	Ĥ0ĚĤĴĴĴ	Ĥ0ĚĤĴĴ	Ĥ0ĚĤĴĴĴ	ĴĴĚ
ÙŸ ĚĚ	1 0 0 0 0 0	Ě	Ĥ1 Ĵ0	ĴĴ0	Ĥ1 Ĵ0	ĴĴ0	Ĥ0ĚĤĴĴĴ	Ĥ0ĚĤĴĴĴ	Ĥ0ĚĤĴĴĴ	Ĥ0ĚĤĴĴ	Ĥ0ĚĤĴĴĴ	ĴĴĚ
ÙŸ Ě	1 0 0 0 0 0	Ě	ĤĴĚĚ	ĤĴĚĚ	ĤĴĚĚ	ĤĴĚĚ	Ĥ0ĚĚĜĜ	Ĥ0ĚĚĜĜ	Ĥ0ĚĚĜĜ	Ĥ0ĚĚĚ	Ĥ0ĚĚĜĜ	ĤĴĚ
ÙŸ 0	1 0 0 0 0 0	Ě	Ĥ1 ĴĚ	ĴĴĚ	Ĥ1 ĴĚ	ĴĴĚ	Ĥ0ĚĤĴĴĴ	Ĥ0ĚĤĴĴĴ	Ĥ0ĚĤĴĴĴ	Ĥ0ĚĤĴĴ	Ĥ0ĚĤĴĴĴ	ĤĴ
Regulatory Limits						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

[illegible]





## *Photo Log*



## EOG Resources

## A photograph of an industrial site, likely a water treatment or storage facility. In the foreground, there is a wide, unpaved dirt road with visible tire tracks. To the left of the road, several large, cylindrical storage tanks are visible. The tanks are light-colored, possibly white or yellow, and show signs of rust and wear. A metal ladder or staircase is attached to one of the tanks. In the background, there is a flat, arid landscape under a clear blue sky. A timestamp in the bottom right corner reads "05 Apr 2021 - 13:34:18".





## *Appendix A*



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

*AKMw1111143297*

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 <sup>TH</sup> Street	Telephone No. 575-748-1471	
Facility Name Zinnia BKC Federal #1	API Number 30-015-27939	Facility Type Battery
Surface Owner Federal	Mineral Owner Federal	Lease No. NM-83068

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	27	20S	29E	1980'	North	910'	West	Eddy

Latitude 32.54599 Longitude 104.06794

#### NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 8 B/PW	Volume Recovered 0 B/PW
Source of Release Water Tank	Date and Hour of Occurrence 1/14/2010; PM	Date and Hour of Discovery 1/14/2010; PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Murphy switch failed, not activating the water pump causing water tank to run over. No produced water to recover, pump started on water tank.		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 5' X 30'. All water remained within bermed battery. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX. Chlorides will be documented. If results are above RRAL's for TPH & BTEX with the site ranking of ten (10), a work plan or corrective action plan will be submitted. If results are below RRAL's for TPH & BTEX with the site ranking of ten (10), a Final Report C-141 will be submitted requesting closure. <b>Depth to Ground Water: 50-99' (approximately 70'), Wellhead Protection Area: No, Distance to Surface Water Body: &gt;1000', SITE RANKING IS 10.</b>		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		

#### OIL CONSERVATION DIVISION

Signature: <i>Robert Asher</i>	Approved by District Supervisor: <i>White</i>	
Printed Name: Robert Asher	Approval Date: <i>4/21/11</i>	Expiration Date:
Title: Environmental Regulatory Agent	Conditions of Approval:	
E-mail Address: boba@yatespetroleum.com	Remediation per OCD Rules & Guidelines. <b>SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:</b>	
Date: Monday, January 25, 2010 Phone: 575-748-4217	<input type="checkbox"/> Attached <i>5/21/11</i> <i>2 RP-759</i>	

\* Attach Additional Sheets If Necessary





## FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
Mike Bratcher	Robert Asher
FAX NUMBER:	DATE:
9-748-9720	Monday, January 25, 2010
COMPANY:	TOTAL NO. OF PAGES INCLUDING COVER:
NMOCD	2
RE:	NOTES/COMMENTS:
C-141; Zirnia BKC Federal #1	Initial Report (1/14/2010 Release)

☐ URGENT ☒ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

ADDITIONAL NOTES & COMMENTS:

Call me if you have any questions, 575-748-4217.

Thank you.

Robert Asher

Environmental Regulatory Department

105 SOUTH FOURTH STREET • ARTESIA, NEW MEXICO 88210-2118  
PHONE: 575-748-4217 (DIRECT) • FAX: 575-748-4662



Incident ID	
District RP	2RP-759
Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>90'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.



State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	
District RP	2RP-759
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: James Kennedy Title: Environmental Specialist

Signature: James Kennedy Date: 4/29/2021

email: james\_kennedy@eogresources.com Telephone: 432.848.9146

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_



Incident ID	nKMWT111143297
District RP	2RP-ĭĭ J
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: James Kennedy

Title: Environmental Specialist

Signature: James Kennedy

Date: 4/29/2021

email: james\_kennedy@eogresources.com

Telephone: 432.848.9146

### OCD Only

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Bradford Billings

Date: 11/16/2021

Printed Name: Bradford Billings

Title: Envi.Spec.A






## *Appendix B*




# Zinnia BKC Federal #1

32.54599°, -104.06794

**Legend**

 0.50 Mile Radius

 NMSEO 90' 20S 29E Sec 28

NMSEO 90' 20S 29E Sec 28  
Zinnia Federal #1







# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
<a href="#">C 03265 POD1</a>	CUB	ED		1	1	3	20	20S	29E	584052	3602648*	89	52	37
<a href="#">CP 00698 POD1</a>	CP	ED		3	1	03	20S	29E	587393	3608010				
<a href="#">CP 00740</a>	CP	ED		2	3	3	12	20S	29E	590669	3605509*	150		
<a href="#">CP 00743 POD1</a>	CP	ED		2	4	05	20S	29E	585319	3607382*		160		
<a href="#">CP 00745 POD1</a>	CP	ED		4	1	3	12	20S	29E	590653	3605782	232		
<a href="#">CP 00752 POD1</a>	CP	ED		1	3	15	20S	29E	587293	3604181		2567		
<a href="#">CP 00759</a>	CP	ED		4	2	28	20S	29E	586984	3601360*		205	90	115
<a href="#">CP 00830 POD1</a>	CP	LE		2	1	04	20S	29E	586118	3608193*		120		
<a href="#">CP 00831 POD1</a>	CP	LE		2	2	10	20S	29E	588548	3606605*		100		
<a href="#">CP 00832 POD1</a>	CP	LE		2	3	12	20S	29E	590971	3605815*		200		
<a href="#">CP 00833 POD1</a>	CP	LE		1	2	16	20S	29E	586548	3604978*		100		
<a href="#">CP 00936 POD1</a>	CP	ED		3	4	2	30	20S	29E	583661	3601238*	70	52	18
<a href="#">CP 01201 POD1</a>	CP	ED		2	2	1	18	20S	29E	582983	3605121	140	100	40
<a href="#">CP 01202 POD1</a>	CP	ED		4	4	3	26	20S	29E	589569	3600512	173	158	15

Average Depth to Water: **90 feet**

Minimum Depth: **52 feet**

Maximum Depth: **158 feet**

Record Count: 14

PLSS Search:

Township: 20S

Range: 29E

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/26/21 1:16 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER





# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)  
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
CP 00759		4	2	28	20S	29E	586984	3601360*	

<b>Driller License:</b> 421	<b>Driller Company:</b> GLENN'S WATER WELL SERVICE	
<b>Driller Name:</b> GLENN, CLARK A."CORKY" (LD)		
<b>Drill Start Date:</b> 04/29/1991	<b>Drill Finish Date:</b> 04/29/1991	<b>Plug Date:</b>
<b>Log File Date:</b> 05/02/1991	<b>PCW Rcv Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b> 150 GPM
<b>Casing Size:</b> 6.63	<b>Depth Well:</b> 205 feet	<b>Depth Water:</b> 90 feet

Water Bearing Stratifications:	Top	Bottom	Description
	148	172	Limestone/Dolomite/Chalk
	172	175	Other/Unknown

Casing Perforations:	Top	Bottom
	144	205

\*UTM location was derived from PLSS - see Help





The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



Zinnia Federal Unit #1

32.54599°, -104.06794°

Legend

-  HIGH
-  LOW
-  MEDIUM
-  Zinnia Federal #1

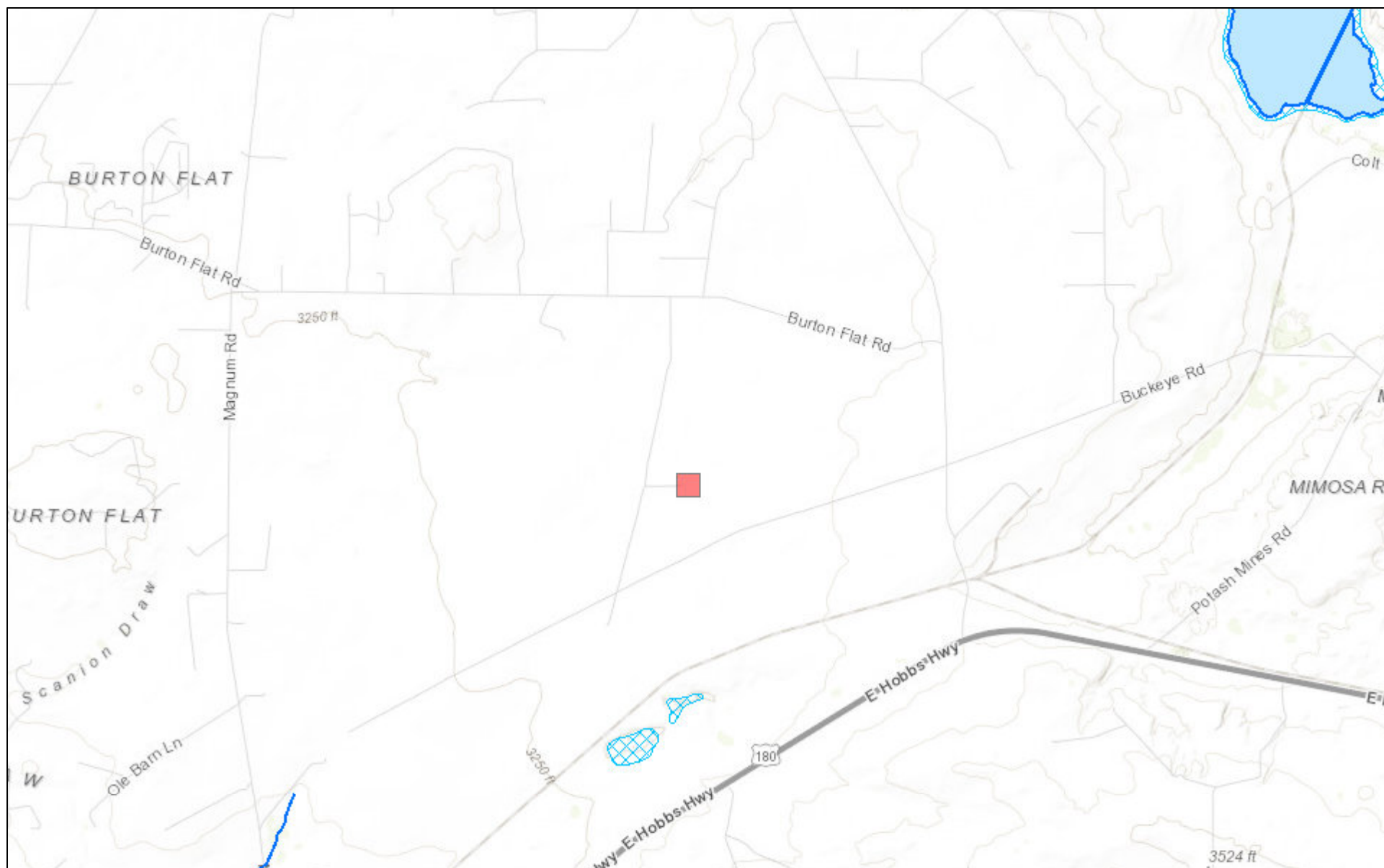
Zinnia Federal #1

Carlsbad

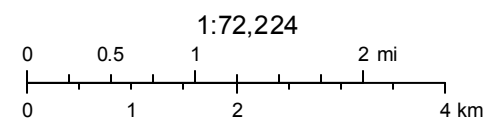




## New Mexico NFHL Data



March 26, 2021

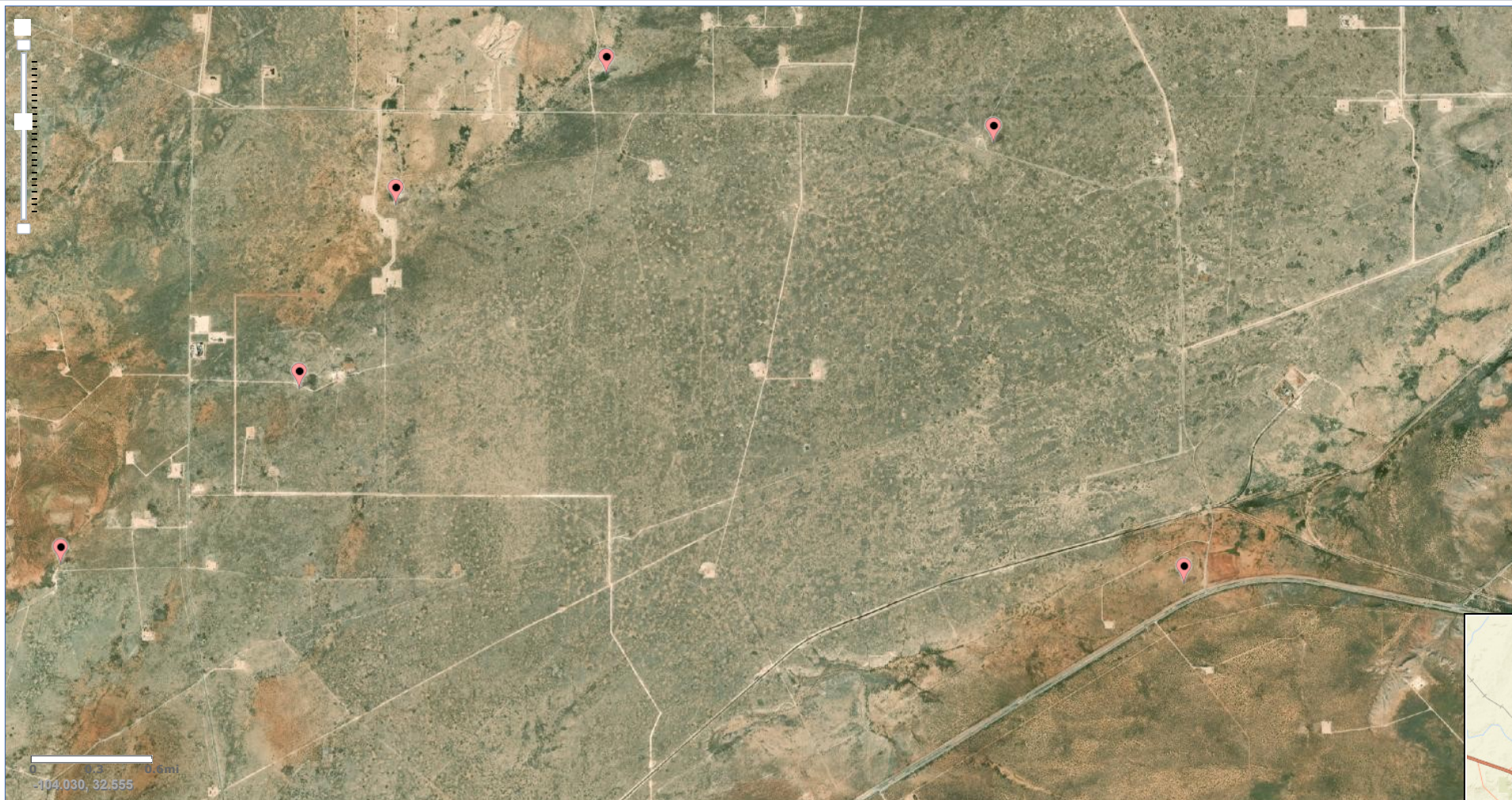


FEMA  
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,





National Water Information System: Mapper



Site Information





## *Appendix C*





## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-496-1

Laboratory Sample Delivery Group: Eddy County NM  
Client Project/Site: EOG - Zinnia Fed #1 2RP-759

For:

NT Global  
701 Tradewinds Blvd  
Midland, Texas 79706

Attn: Mike Carmona

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
3/26/2021 11:37:41 AM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

#### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Laboratory Job ID: 880-496-1  
SDG: Eddy County NM

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## Definitions/Glossary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-496-1  
SDG: Eddy County NM

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Xenco, Midland



## Case Narrative

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-496-1  
SDG: Eddy County NM

**Job ID: 880-496-1**

**Laboratory: Eurofins Xenco, Midland**

### Narrative

#### Job Narrative 880-496-1

#### Receipt

The samples were received on 3/19/2021 11:23 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C

#### GC VOA

Method 8021B: Internal standard responses were outside of acceptance limits for the following samples: H-1 (0-6") (880-496-1) and H-2 (0-6") (880-496-2). The sample(s) shows evidence of matrix interference.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.



## Detection Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-496-1  
SDG: Eddy County NM

## Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-496-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	529		4.99		mg/Kg	1		300.0	Soluble

## Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-496-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (Over C10-C28)	148		49.7		mg/Kg	1		8015B NM	Total/NA
Total TPH	148		49.7		mg/Kg	1		8015B NM	Total/NA
Chloride	250		25.2		mg/Kg	5		300.0	Soluble

## Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-496-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (Over C10-C28)	1360		49.7		mg/Kg	1		8015B NM	Total/NA
Total TPH	1360		49.7		mg/Kg	1		8015B NM	Total/NA
Chloride	1080		25.1		mg/Kg	5		300.0	Soluble

This Detection Summary does not include radiochemical test results.

Eurofins Xenco, Midland



## Client Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-496-1  
SDG: Eddy County NM

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-496-1

Date Collected: 03/16/21 00:00

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 07:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 07:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 07:25	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 07:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/21 17:53	03/26/21 07:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/21 17:53	03/26/21 07:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 07:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	03/25/21 17:53	03/26/21 07:25	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/25/21 17:53	03/26/21 07:25	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U **	50.1		mg/Kg		03/19/21 14:53	03/20/21 06:19	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/19/21 14:53	03/20/21 06:19	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/19/21 14:53	03/20/21 06:19	1
Total TPH	<50.1	U	50.1		mg/Kg		03/19/21 14:53	03/20/21 06:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	03/19/21 14:53	03/20/21 06:19	1
o-Terphenyl	102		70 - 130	03/19/21 14:53	03/20/21 06:19	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	529		4.99		mg/Kg			03/20/21 17:47	1

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-496-2

Date Collected: 03/16/21 00:00

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/25/21 17:53	03/26/21 07:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/25/21 17:53	03/26/21 07:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/21 17:53	03/26/21 07:45	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		03/25/21 17:53	03/26/21 07:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/21 17:53	03/26/21 07:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/25/21 17:53	03/26/21 07:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/21 17:53	03/26/21 07:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/25/21 17:53	03/26/21 07:45	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/25/21 17:53	03/26/21 07:45	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U **	49.7		mg/Kg		03/19/21 14:53	03/20/21 06:40	1

Eurofins Xenco, Midland



## Client Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-496-1  
SDG: Eddy County NM

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-496-2

Date Collected: 03/16/21 00:00

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	148		49.7		mg/Kg		03/19/21 14:53	03/20/21 06:40	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/19/21 14:53	03/20/21 06:40	1
Total TPH	148		49.7		mg/Kg		03/19/21 14:53	03/20/21 06:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				03/19/21 14:53	03/20/21 06:40	1
o-Terphenyl	97		70 - 130				03/19/21 14:53	03/20/21 06:40	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		25.2		mg/Kg			03/20/21 17:52	5

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-496-3

Date Collected: 03/16/21 00:00

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/25/21 17:53	03/26/21 08:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/25/21 17:53	03/26/21 08:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/25/21 17:53	03/26/21 08:06	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		03/25/21 17:53	03/26/21 08:06	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/25/21 17:53	03/26/21 08:06	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/25/21 17:53	03/26/21 08:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/25/21 17:53	03/26/21 08:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				03/25/21 17:53	03/26/21 08:06	1
1,4-Difluorobenzene (Surr)	102		70 - 130				03/25/21 17:53	03/26/21 08:06	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U **	49.7		mg/Kg		03/19/21 14:53	03/20/21 07:23	1
Diesel Range Organics (Over C10-C28)	1360		49.7		mg/Kg		03/19/21 14:53	03/20/21 07:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/19/21 14:53	03/20/21 07:23	1
Total TPH	1360		49.7		mg/Kg		03/19/21 14:53	03/20/21 07:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/19/21 14:53	03/20/21 07:23	1
o-Terphenyl	102		70 - 130				03/19/21 14:53	03/20/21 07:23	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1080		25.1		mg/Kg			03/20/21 17:58	5

Eurofins Xenco, Midland



## Surrogate Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-496-1  
SDG: Eddy County NM

### Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-496-1	H-1 (0-6")	118	99
880-496-2	H-2 (0-6")	112	98
880-496-3	H-3 (0-6")	110	102
MB 880-807/5-A	Method Blank	102	95
MB 880-881/5-A	Method Blank	102	95
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

### Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-496-1	H-1 (0-6")	103	102
880-496-2	H-2 (0-6")	99	97
880-496-3	H-3 (0-6")	108	102
LCS 880-615/2-A	Lab Control Sample	142 S1+	127
LCSD 880-615/3-A	Lab Control Sample Dup	136 S1+	124
MB 880-615/1-A	Method Blank	106	103
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Xenco, Midland



## QC Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-496-1  
SDG: Eddy County NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-807/5-A

Matrix: Solid

Analysis Batch: 826

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/24/21 12:52	03/25/21 15:56	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/24/21 12:52	03/25/21 15:56	1

Lab Sample ID: MB 880-881/5-A

Matrix: Solid

Analysis Batch: 826

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/25/21 17:53	03/26/21 02:37	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/25/21 17:53	03/26/21 02:37	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-615/1-A

Matrix: Solid

Analysis Batch: 617

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 615

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1
Total TPH	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	03/19/21 14:53	03/20/21 01:46	1
o-Terphenyl	103		70 - 130	03/19/21 14:53	03/20/21 01:46	1

Eurofins Xenco, Midland



## QC Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-496-1  
SDG: Eddy County NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-615/2-A

Matrix: Solid

Analysis Batch: 617

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 615

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	1324	*+	mg/Kg		132	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1195		mg/Kg		120	70 - 130		
					</						

Lab Sample ID: LCSD 880-615/3-A

Matrix: Solid

Analysis Batch: 617

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 615

			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Analyte											
Gasoline Range Organics (GRO)-C6-C10			1000	1320	*+	mg/Kg		132	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1146		mg/Kg		115	70 - 130	4	20

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-608/1-A

Matrix: Solid

Analysis Batch: 609

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/20/21 15:18	1

Lab Sample ID: LCS 880-608/2-A

Matrix: Solid

Analysis Batch: 609

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	252.8		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-608/3-A

Matrix: Solid

Analysis Batch: 609

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	253.0		mg/Kg		101	90 - 110	0	20

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## QC Association Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-496-1  
SDG: Eddy County NM

## GC VOA

## Prep Batch: 807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-807/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-496-1	H-1 (0-6")	Total/NA	Solid	8021B	881
880-496-2	H-2 (0-6")	Total/NA	Solid	8021B	881
880-496-3	H-3 (0-6")	Total/NA	Solid	8021B	881
MB 880-807/5-A	Method Blank	Total/NA	Solid	8021B	807
MB 880-881/5-A	Method Blank	Total/NA	Solid	8021B	881

## Prep Batch: 881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-496-1	H-1 (0-6")	Total/NA	Solid	5035	
880-496-2	H-2 (0-6")	Total/NA	Solid	5035	
880-496-3	H-3 (0-6")	Total/NA	Solid	5035	
MB 880-881/5-A	Method Blank	Total/NA	Solid	5035	

## GC Semi VOA

## Prep Batch: 615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-496-1	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-496-2	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-496-3	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-615/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-615/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-615/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-496-1	H-1 (0-6")	Total/NA	Solid	8015B NM	615
880-496-2	H-2 (0-6")	Total/NA	Solid	8015B NM	615
880-496-3	H-3 (0-6")	Total/NA	Solid	8015B NM	615
MB 880-615/1-A	Method Blank	Total/NA	Solid	8015B NM	615
LCS 880-615/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	615
LCSD 880-615/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	615

## HPLC/IC

## Leach Batch: 608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-496-1	H-1 (0-6")	Soluble	Solid	DI Leach	
880-496-2	H-2 (0-6")	Soluble	Solid	DI Leach	
880-496-3	H-3 (0-6")	Soluble	Solid	DI Leach	
MB 880-608/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-608/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-608/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Analysis Batch: 609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-496-1	H-1 (0-6")	Soluble	Solid	300.0	608
880-496-2	H-2 (0-6")	Soluble	Solid	300.0	608

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## QC Association Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-496-1  
SDG: Eddy County NM

## HPLC/IC (Continued)

## Analysis Batch: 609 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-496-3	H-3 (0-6")	Soluble	Solid	300.0	608
MB 880-608/1-A	Method Blank	Soluble	Solid	300.0	608
LCS 880-608/2-A	Lab Control Sample	Soluble	Solid	300.0	608
LCSD 880-608/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	608



## Lab Chronicle

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-496-1  
SDG: Eddy County NM

## Client Sample ID: H-1 (0-6")

Date Collected: 03/16/21 00:00

Date Received: 03/19/21 11:23

## Lab Sample ID: 880-496-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			881	03/25/21 17:53	MR	XM
Total/NA	Analysis	8021B		1	826	03/26/21 07:25	MR	XM
Total/NA	Prep	8015NM Prep			615	03/19/21 14:53	AJ	XM
Total/NA	Analysis	8015B NM		1	617	03/20/21 06:19	AM	XM
Soluble	Leach	DI Leach			608	03/19/21 12:37	CH	XM
Soluble	Analysis	300.0		1	609	03/20/21 17:47	CH	XM

## Client Sample ID: H-2 (0-6")

Date Collected: 03/16/21 00:00

Date Received: 03/19/21 11:23

## Lab Sample ID: 880-496-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			881	03/25/21 17:53	MR	XM
Total/NA	Analysis	8021B		1	826	03/26/21 07:45	MR	XM
Total/NA	Prep	8015NM Prep			615	03/19/21 14:53	AJ	XM
Total/NA	Analysis	8015B NM		1	617	03/20/21 06:40	AM	XM
Soluble	Leach	DI Leach			608	03/19/21 12:37	CH	XM
Soluble	Analysis	300.0		5	609	03/20/21 17:52	CH	XM

## Client Sample ID: H-3 (0-6")

Date Collected: 03/16/21 00:00

Date Received: 03/19/21 11:23

## Lab Sample ID: 880-496-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			881	03/25/21 17:53	MR	XM
Total/NA	Analysis	8021B		1	826	03/26/21 08:06	MR	XM
Total/NA	Prep	8015NM Prep			615	03/19/21 14:53	AJ	XM
Total/NA	Analysis	8015B NM		1	617	03/20/21 07:23	AM	XM
Soluble	Leach	DI Leach			608	03/19/21 12:37	CH	XM
Soluble	Analysis	300.0		5	609	03/20/21 17:58	CH	XM

## Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland



**Accreditation/Certification Summary**

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-496-1  
SDG: Eddy County NM

**Laboratory: Eurofins Xenco, Midland**

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Eurofins Xenco, Midland



## Method Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-496-1  
SDG: Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland



## Sample Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-496-1  
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-496-1	H-1 (0-6")	Solid	03/16/21 00:00	03/19/21 11:23	
880-496-2	H-2 (0-6")	Solid	03/16/21 00:00	03/19/21 11:23	
880-496-3	H-3 (0-6")	Solid	03/16/21 00:00	03/19/21 11:23	





## Chain of Custody



**Work Order No:** \_\_\_\_\_

880-496 COC

Page 1 of 1




Project Manager	Mike Carmona	Bill to: (if different)	James Kennedy
Company Name	NTG Environmental	Company Name	EOG Resources
Address	701 Tradewinds BLVD	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland Tx 79706
Phone	432-813-0263	Email	James.Kennedy@eogresources

Work Order Comments	
Program: UST/PST <input type="checkbox"/> RP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>	
State of Project.	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other	

[illegible]

**Additional Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 		3/19/2021	2		
3 		11-23	4		
5			6		



## Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-496-1

SDG Number: Eddy County NM

**Login Number: 496****List Number: 1****Creator: Teel, Brianna****List Source: Eurofins Midland**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	





## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-497-1

Laboratory Sample Delivery Group: Eddy County NM  
Client Project/Site: EOG - Zinnia Fed #1 2RP-759

For:

NT Global  
701 Tradewinds Blvd  
Midland, Texas 79706

Attn: Mike Carmona

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
3/26/2021 12:48:12 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

#### LINKS

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results through

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Laboratory Job ID: 880-497-1  
SDG: Eddy County NM

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## Definitions/Glossary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count



## Case Narrative

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

**Job ID: 880-497-1**

**Laboratory: Eurofins Xenco, Midland**

### Narrative

#### Job Narrative 880-497-1

#### Receipt

The samples were received on 3/19/2021 11:23 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.



## Detection Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

### Client Sample ID: S-1 (0-1)

Lab Sample ID: 880-497-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (Over C10-C28)	153		49.9		mg/Kg	1		8015B NM	Total/NA
Total TPH	153		49.9		mg/Kg	1		8015B NM	Total/NA
Chloride	258		50.0		mg/Kg	10		300.0	Soluble

### Client Sample ID: S-1 (1'-1.5')

Lab Sample ID: 880-497-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	362		25.2		mg/Kg	5		300.0	Soluble

### Client Sample ID: S-2 (0-1)

Lab Sample ID: 880-497-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics (Over C10-C28)	348		50.1		mg/Kg	1		8015B NM	Total/NA
Total TPH	348		50.1		mg/Kg	1		8015B NM	Total/NA
Chloride	691		50.2		mg/Kg	10		300.0	Soluble

### Client Sample ID: S-2 (1'-1.5')

Lab Sample ID: 880-497-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	679		50.0		mg/Kg	10		300.0	Soluble

This Detection Summary does not include radiochemical test results.

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## Client Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

Client Sample ID: S-1 (0-1)

Lab Sample ID: 880-497-1

Date Collected: 03/16/21 00:00

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 08:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 08:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 08:26	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 08:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/25/21 17:53	03/26/21 08:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/25/21 17:53	03/26/21 08:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 08:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/25/21 17:53	03/26/21 08:26	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/25/21 17:53	03/26/21 08:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		03/19/21 14:53	03/20/21 04:55	1
Diesel Range Organics (Over C10-C28)	153		49.9		mg/Kg		03/19/21 14:53	03/20/21 04:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/19/21 14:53	03/20/21 04:55	1
Total TPH	153		49.9		mg/Kg		03/19/21 14:53	03/20/21 04:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	03/19/21 14:53	03/20/21 04:55	1
o-Terphenyl	96		70 - 130	03/19/21 14:53	03/20/21 04:55	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	258		50.0		mg/Kg			03/20/21 18:03	10

Client Sample ID: S-1 (1'-1.5')

Lab Sample ID: 880-497-2

Date Collected: 03/16/21 00:00

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 08:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 08:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 08:47	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 08:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/21 17:53	03/26/21 08:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/21 17:53	03/26/21 08:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 08:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/25/21 17:53	03/26/21 08:47	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/25/21 17:53	03/26/21 08:47	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		03/19/21 14:53	03/20/21 05:16	1

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## Client Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

Client Sample ID: S-1 (1'-1.5')

Lab Sample ID: 880-497-2

Date Collected: 03/16/21 00:00

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/19/21 14:53	03/20/21 05:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/19/21 14:53	03/20/21 05:16	1
Total TPH	<49.8	U	49.8		mg/Kg		03/19/21 14:53	03/20/21 05:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				03/19/21 14:53	03/20/21 05:16	1
o-Terphenyl	99		70 - 130				03/19/21 14:53	03/20/21 05:16	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	362		25.2		mg/Kg			03/22/21 15:52	5

Client Sample ID: S-2 (0-1)

Lab Sample ID: 880-497-3

Date Collected: 03/16/21 00:00

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/25/21 17:53	03/26/21 09:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/25/21 17:53	03/26/21 09:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/21 17:53	03/26/21 09:07	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		03/25/21 17:53	03/26/21 09:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/21 17:53	03/26/21 09:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/25/21 17:53	03/26/21 09:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/21 17:53	03/26/21 09:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				03/25/21 17:53	03/26/21 09:07	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/25/21 17:53	03/26/21 09:07	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U **	50.1		mg/Kg		03/19/21 14:53	03/20/21 05:37	1
Diesel Range Organics (Over C10-C28)	348		50.1		mg/Kg		03/19/21 14:53	03/20/21 05:37	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/19/21 14:53	03/20/21 05:37	1
Total TPH	348		50.1		mg/Kg		03/19/21 14:53	03/20/21 05:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				03/19/21 14:53	03/20/21 05:37	1
o-Terphenyl	99		70 - 130				03/19/21 14:53	03/20/21 05:37	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	691		50.2		mg/Kg			03/22/21 15:58	10

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## Client Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

Client Sample ID: S-2 (1'-1.5)

Lab Sample ID: 880-497-4

Date Collected: 03/16/21 00:00

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 09:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 09:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 09:28	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 09:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/25/21 17:53	03/26/21 09:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/25/21 17:53	03/26/21 09:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 09:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	03/25/21 17:53	03/26/21 09:28	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/25/21 17:53	03/26/21 09:28	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		03/19/21 14:53	03/20/21 05:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 05:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 05:58	1
Total TPH	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 05:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	03/19/21 14:53	03/20/21 05:58	1
o-Terphenyl	100		70 - 130	03/19/21 14:53	03/20/21 05:58	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	679		50.0		mg/Kg			03/23/21 19:07	10

Eurofins Xenco, Midland



## Surrogate Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-497-1	S-1 (0-1)	113	103
880-497-1 MS	S-1 (0-1)	91	103
880-497-1 MSD	S-1 (0-1)	94	102
880-497-2	S-1 (1'-1.5')	113	102
880-497-3	S-2 (0-1)	108	100
880-497-4	S-2 (1'-1.5')	114	102
LCS 880-884/1-A	Lab Control Sample	89	103
LCSD 880-884/2-A	Lab Control Sample Dup	91	104
MB 880-807/5-A	Method Blank	102	95
MB 880-808/5-A	Method Blank	114	87
MB 880-881/5-A	Method Blank	102	95
MB 880-884/5-A	Method Blank	101	95
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-497-1	S-1 (0-1)	98	96
880-497-2	S-1 (1'-1.5')	102	99
880-497-3	S-2 (0-1)	103	99
880-497-4	S-2 (1'-1.5')	102	100
LCS 880-615/2-A	Lab Control Sample	142 S1+	127
LCSD 880-615/3-A	Lab Control Sample Dup	136 S1+	124
MB 880-615/1-A	Method Blank	106	103
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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## QC Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-807/5-A

Matrix: Solid

Analysis Batch: 826

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				03/24/21 12:52	03/25/21 15:56	1
1,4-Difluorobenzene (Surr)	95		70 - 130				03/24/21 12:52	03/25/21 15:56	1

Lab Sample ID: MB 880-808/5-A

Matrix: Solid

Analysis Batch: 827

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/21 13:30	03/25/21 19:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/21 13:30	03/25/21 19:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/21 13:30	03/25/21 19:56	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/24/21 13:30	03/25/21 19:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/24/21 13:30	03/25/21 19:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/24/21 13:30	03/25/21 19:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/21 13:30	03/25/21 19:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				03/24/21 13:30	03/25/21 19:56	1
1,4-Difluorobenzene (Surr)	87		70 - 130				03/24/21 13:30	03/25/21 19:56	1

Lab Sample ID: MB 880-881/5-A

Matrix: Solid

Analysis Batch: 826

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				03/25/21 17:53	03/26/21 02:37	1
1,4-Difluorobenzene (Surr)	95		70 - 130				03/25/21 17:53	03/26/21 02:37	1

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## QC Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-884/5-A

Matrix: Solid

Analysis Batch: 827

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 884

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/21 18:49	03/26/21 06:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/21 18:49	03/26/21 06:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/21 18:49	03/26/21 06:57	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/25/21 18:49	03/26/21 06:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/25/21 18:49	03/26/21 06:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/25/21 18:49	03/26/21 06:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/21 18:49	03/26/21 06:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/25/21 18:49	03/26/21 06:57	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/25/21 18:49	03/26/21 06:57	1

Lab Sample ID: LCS 880-884/1-A

Matrix: Solid

Analysis Batch: 827

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 884

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1059		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.09799		mg/Kg		98	70 - 130
Toluene	0.100	0.1042		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.1957		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09889		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-884/2-A

Matrix: Solid

Analysis Batch: 827

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 884

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1085		mg/Kg		108	70 - 130	2	35
Ethylbenzene	0.100	0.1031		mg/Kg		103	70 - 130	5	35
Toluene	0.100	0.1073		mg/Kg		107	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2031		mg/Kg		102	70 - 130	4	35
o-Xylene	0.100	0.1012		mg/Kg		101	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-497-1 MS

Matrix: Solid

Analysis Batch: 827

Client Sample ID: S-1 (0-1)

Prep Type: Total/NA

Prep Batch: 884

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U	0.0990	0.08551		mg/Kg		85	70 - 130

Eurofins Xenco, Midland



## QC Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-497-1 MS

Matrix: Solid

Analysis Batch: 827

Client Sample ID: S-1 (0-1)

Prep Type: Total/NA

Prep Batch: 884

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00198	U	0.0990	0.07548		mg/Kg		76	70 - 130
Toluene	<0.00198	U	0.0990	0.08230		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00397	U	0.198	0.1575		mg/Kg		80	70 - 130
o-Xylene	<0.00198	U	0.0990	0.07483		mg/Kg		76	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	91		70 - 130						
1,4-Difluorobenzene (Surr)	103		70 - 130						

Lab Sample ID: 880-497-1 MSD

Matrix: Solid

Analysis Batch: 827

Client Sample ID: S-1 (0-1)

Prep Type: Total/NA

Prep Batch: 884

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.08419		mg/Kg		83	70 - 130	2	35
Ethylbenzene	<0.00198	U	0.100	0.07997		mg/Kg		80	70 - 130	6	35
Toluene	<0.00198	U	0.100	0.08718		mg/Kg		87	70 - 130	6	35
m-Xylene & p-Xylene	<0.00397	U	0.200	0.1606		mg/Kg		80	70 - 130	2	35
o-Xylene	<0.00198	U	0.100	0.07895		mg/Kg		79	70 - 130	5	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	94		70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-615/1-A

Matrix: Solid

Analysis Batch: 617

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 615

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1
Total TPH	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/19/21 14:53	03/20/21 01:46	1
o-Terphenyl	103		70 - 130				03/19/21 14:53	03/20/21 01:46	1

Lab Sample ID: LCS 880-615/2-A

Matrix: Solid

Analysis Batch: 617

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 615

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1324	*+	mg/Kg		132	70 - 130

Eurofins Xenco, Midland



## QC Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-615/2-A

Matrix: Solid

Analysis Batch: 617

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 615

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (Over C10-C28)	1000	1195		mg/Kg		120	70 - 130

	LCS %Recovery	LCS Qualifier	Limits
Surrogate			
1-Chlorooctane	142	S1+	70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: LCSD 880-615/3-A

Matrix: Solid

Analysis Batch: 617

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 615

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1320	*+	mg/Kg		132	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1146		mg/Kg		115	70 - 130	4	20

	LCSD %Recovery	LCSD Qualifier	Limits
Surrogate			
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	124		70 - 130

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-608/1-A

Matrix: Solid

Analysis Batch: 609

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/20/21 15:18	1

Lab Sample ID: LCS 880-608/2-A

Matrix: Solid

Analysis Batch: 609

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	252.8		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-608/3-A

Matrix: Solid

Analysis Batch: 609

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	253.0		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-645/1-A

Matrix: Solid

Analysis Batch: 695

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/22/21 13:27	1

Eurofins Xenco, Midland



## QC Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-645/2-A

Matrix: Solid

Analysis Batch: 695

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	248.2		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-645/3-A

Matrix: Solid

Analysis Batch: 695

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	244.7		mg/Kg		98	90 - 110	1	20

Lab Sample ID: MB 880-746/1-A

Matrix: Solid

Analysis Batch: 769

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/23/21 16:21	1

Lab Sample ID: LCS 880-746/2-A

Matrix: Solid

Analysis Batch: 769

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	264.2		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-746/3-A

Matrix: Solid

Analysis Batch: 769

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	263.5		mg/Kg		105	90 - 110	0	20

Eurofins Xenco, Midland



## QC Association Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

## GC VOA

## Prep Batch: 807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-807/5-A	Method Blank	Total/NA	Solid	5035	

## Prep Batch: 808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-808/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-497-1	S-1 (0-1)	Total/NA	Solid	8021B	881
880-497-2	S-1 (1'-1.5')	Total/NA	Solid	8021B	881
880-497-3	S-2 (0-1)	Total/NA	Solid	8021B	881
880-497-4	S-2 (1'-1.5)	Total/NA	Solid	8021B	881
MB 880-807/5-A	Method Blank	Total/NA	Solid	8021B	807
MB 880-881/5-A	Method Blank	Total/NA	Solid	8021B	881

## Analysis Batch: 827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-808/5-A	Method Blank	Total/NA	Solid	8021B	808
MB 880-884/5-A	Method Blank	Total/NA	Solid	8021B	884
LCS 880-884/1-A	Lab Control Sample	Total/NA	Solid	8021B	884
LCSD 880-884/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	884
880-497-1 MS	S-1 (0-1)	Total/NA	Solid	8021B	884
880-497-1 MSD	S-1 (0-1)	Total/NA	Solid	8021B	884

## Prep Batch: 881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-497-1	S-1 (0-1)	Total/NA	Solid	5035	
880-497-2	S-1 (1'-1.5')	Total/NA	Solid	5035	
880-497-3	S-2 (0-1)	Total/NA	Solid	5035	
880-497-4	S-2 (1'-1.5)	Total/NA	Solid	5035	
MB 880-881/5-A	Method Blank	Total/NA	Solid	5035	

## Prep Batch: 884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-884/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-884/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-884/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-497-1 MS	S-1 (0-1)	Total/NA	Solid	5035	
880-497-1 MSD	S-1 (0-1)	Total/NA	Solid	5035	

## GC Semi VOA

## Prep Batch: 615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-497-1	S-1 (0-1)	Total/NA	Solid	8015NM Prep	
880-497-2	S-1 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-497-3	S-2 (0-1)	Total/NA	Solid	8015NM Prep	
880-497-4	S-2 (1'-1.5)	Total/NA	Solid	8015NM Prep	
MB 880-615/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-615/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-615/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland



## QC Association Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

## GC Semi VOA

## Analysis Batch: 617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-497-1	S-1 (0-1)	Total/NA	Solid	8015B NM	615
880-497-2	S-1 (1'-1.5')	Total/NA	Solid	8015B NM	615
880-497-3	S-2 (0-1)	Total/NA	Solid	8015B NM	615
880-497-4	S-2 (1'-1.5')	Total/NA	Solid	8015B NM	615
MB 880-615/1-A	Method Blank	Total/NA	Solid	8015B NM	615
LCS 880-615/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	615
LCSD 880-615/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	615

## HPLC/IC

## Leach Batch: 608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-497-1	S-1 (0-1)	Soluble	Solid	DI Leach	
MB 880-608/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-608/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-608/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Analysis Batch: 609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-497-1	S-1 (0-1)	Soluble	Solid	300.0	608
MB 880-608/1-A	Method Blank	Soluble	Solid	300.0	608
LCS 880-608/2-A	Lab Control Sample	Soluble	Solid	300.0	608
LCSD 880-608/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	608

## Leach Batch: 645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-497-2	S-1 (1'-1.5')	Soluble	Solid	DI Leach	
880-497-3	S-2 (0-1)	Soluble	Solid	DI Leach	
MB 880-645/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-645/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-645/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Analysis Batch: 695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-497-2	S-1 (1'-1.5')	Soluble	Solid	300.0	645
880-497-3	S-2 (0-1)	Soluble	Solid	300.0	645
MB 880-645/1-A	Method Blank	Soluble	Solid	300.0	645
LCS 880-645/2-A	Lab Control Sample	Soluble	Solid	300.0	645
LCSD 880-645/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	645

## Leach Batch: 746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-497-4	S-2 (1'-1.5')	Soluble	Solid	DI Leach	
MB 880-746/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-746/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-746/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Analysis Batch: 769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-497-4	S-2 (1'-1.5')	Soluble	Solid	300.0	746
MB 880-746/1-A	Method Blank	Soluble	Solid	300.0	746

Eurofins Xenco, Midland



## QC Association Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

## HPLC/IC (Continued)

## Analysis Batch: 769 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-746/2-A	Lab Control Sample	Soluble	Solid	300.0	746
LCSD 880-746/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	746

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## Lab Chronicle

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

## Client Sample ID: S-1 (0-1)

Date Collected: 03/16/21 00:00

Date Received: 03/19/21 11:23

## Lab Sample ID: 880-497-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			881	03/25/21 17:53	MR	XM
Total/NA	Analysis	8021B		1	826	03/26/21 08:26	MR	XM
Total/NA	Prep	8015NM Prep			615	03/19/21 14:53	AJ	XM
Total/NA	Analysis	8015B NM		1	617	03/20/21 04:55	AM	XM
Soluble	Leach	DI Leach			608	03/19/21 12:37	CH	XM
Soluble	Analysis	300.0		10	609	03/20/21 18:03	CH	XM

## Client Sample ID: S-1 (1'-1.5')

Date Collected: 03/16/21 00:00

Date Received: 03/19/21 11:23

## Lab Sample ID: 880-497-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			881	03/25/21 17:53	MR	XM
Total/NA	Analysis	8021B		1	826	03/26/21 08:47	MR	XM
Total/NA	Prep	8015NM Prep			615	03/19/21 14:53	AJ	XM
Total/NA	Analysis	8015B NM		1	617	03/20/21 05:16	AM	XM
Soluble	Leach	DI Leach			645	03/21/21 11:35	AJ	XM
Soluble	Analysis	300.0		5	695	03/22/21 15:52	WP	XM

## Client Sample ID: S-2 (0-1)

Date Collected: 03/16/21 00:00

Date Received: 03/19/21 11:23

## Lab Sample ID: 880-497-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			881	03/25/21 17:53	MR	XM
Total/NA	Analysis	8021B		1	826	03/26/21 09:07	MR	XM
Total/NA	Prep	8015NM Prep			615	03/19/21 14:53	AJ	XM
Total/NA	Analysis	8015B NM		1	617	03/20/21 05:37	AM	XM
Soluble	Leach	DI Leach			645	03/21/21 11:35	AJ	XM
Soluble	Analysis	300.0		10	695	03/22/21 15:58	WP	XM

## Client Sample ID: S-2 (1'-1.5')

Date Collected: 03/16/21 00:00

Date Received: 03/19/21 11:23

## Lab Sample ID: 880-497-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			881	03/25/21 17:53	MR	XM
Total/NA	Analysis	8021B		1	826	03/26/21 09:28	MR	XM
Total/NA	Prep	8015NM Prep			615	03/19/21 14:53	AJ	XM
Total/NA	Analysis	8015B NM		1	617	03/20/21 05:58	AM	XM
Soluble	Leach	DI Leach			746	03/23/21 10:29	CH	XM
Soluble	Analysis	300.0		10	769	03/23/21 19:07	WP	XM

## Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland



Accreditation/Certification Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX



## Method Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

### Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland



## Sample Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-759

Job ID: 880-497-1  
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-497-1	S-1 (0-1)	Solid	03/16/21 00:00	03/19/21 11:23	
880-497-2	S-1 (1'-1.5')	Solid	03/16/21 00:00	03/19/21 11:23	
880-497-3	S-2 (0-1)	Solid	03/16/21 00:00	03/19/21 11:23	
880-497-4	S-2 (1'-1.5')	Solid	03/16/21 00:00	03/19/21 11:23	

Eurofins Xenco, Midland





Chain of Custody



Work Order No: \_\_\_\_\_

880-497 COC

Page 1 of 1

Project Manager	Mike Carmona	Bill to: (if different)	James Kennedy
Company Name	NTG Environmental	Company Name	EOG Resources
Address	701 Tradewinds BLVD	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, TX 79706
Phone:	432-813-0263	Email	James_Kennedy@eogresources.com

Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> Inertund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other	

Project Name	Zinnia Fed #1 2RP-759	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes		
Project Number	214052																	None NO	DI Water H <sub>2</sub> O	
Project Location	Eddy County, NM	Due Date	72HR															Cool Cool	MeOH Me	
Sampler's Name	CM	TAT starts the day received by the lab. If received by 4:30pm																HCL HC	HNO <sub>3</sub> HN	
PO #																		H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>	NaOH Na	
SAMPLE RECEIPT		Temp Blank	Yes No	Wet Ice	Yes No													H <sub>3</sub> PO <sub>4</sub> HP		
Received In tact:	Yes No	Thermometer ID																NaHSO <sub>4</sub> NABIS		
Cooler Custody Seals:	Yes No N/A	Correction Factor																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>		
Sample Custody Seals:	Yes No N/A	Temperature Reading																Zn Acetate+NaOH Zn		
Total Containers		Corrected Temperature																NaOH+Ascorbic Acid SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
S-1(0-1')	3/16/2021	-	X		G	1	X	X	X											
S-1(1'-1.5')	3/16/2021	-	X		G	1	X	X	X											
S-2(0-1')	3/16/2021	-	X		G	1	X	X	X											
S-2(1'-1.5')	3/16/2021	-	X		G	1	X	X	X											

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$3 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		3/19/2021			
		11:23			



## Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-497-1

SDG Number: Eddy County NM

**Login Number: 497****List Number: 1****Creator: Teel, Brianna****List Source: Eurofins Midland**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	





## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-1059-1

Laboratory Sample Delivery Group: Eddy County NM  
Client Project/Site: Zinnia Fed #1 2RP-759

For:

NT Global  
701 Tradewinds Blvd  
Midland, Texas 79706

Attn: Mike Carmona

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
4/9/2021 4:24:22 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

#### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Laboratory Job ID: 880-1059-1  
SDG: Eddy County NM

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## Definitions/Glossary

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count



## Case Narrative

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

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**Job ID: 880-1059-1**

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**Laboratory: Eurofins Xenco, Midland**

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**Narrative**

---

**Job Narrative**  
**880-1059-1**

**Receipt**

The samples were received on 4/6/2021 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.9°C

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.



## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-1059-1

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/07/21 12:45	04/08/21 06:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/07/21 12:45	04/08/21 06:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/07/21 12:45	04/08/21 06:44	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/07/21 12:45	04/08/21 06:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/07/21 12:45	04/08/21 06:44	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/07/21 12:45	04/08/21 06:44	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		04/07/21 12:45	04/08/21 06:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	04/07/21 12:45	04/08/21 06:44	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/07/21 12:45	04/08/21 06:44	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/07/21 21:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/07/21 21:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/07/21 21:24	1
Total TPH	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/07/21 21:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	04/07/21 10:39	04/07/21 21:24	1
o-Terphenyl	84		70 - 130	04/07/21 10:39	04/07/21 21:24	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	167		5.04		mg/Kg			04/09/21 09:45	1

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-1059-2

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/07/21 12:45	04/08/21 07:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/07/21 12:45	04/08/21 07:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/07/21 12:45	04/08/21 07:04	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/07/21 12:45	04/08/21 07:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/07/21 12:45	04/08/21 07:04	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/07/21 12:45	04/08/21 07:04	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		04/07/21 12:45	04/08/21 07:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	04/07/21 12:45	04/08/21 07:04	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/07/21 12:45	04/08/21 07:04	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/07/21 22:28	1

Eurofins Xenco, Midland



## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-1059-2

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/07/21 22:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/07/21 22:28	1
Total TPH	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/07/21 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				04/07/21 10:39	04/07/21 22:28	1
o-Terphenyl	78		70 - 130				04/07/21 10:39	04/07/21 22:28	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	185		4.96		mg/Kg			04/09/21 10:02	1

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-1059-3

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 07:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 07:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 07:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/07/21 12:45	04/08/21 07:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 07:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/07/21 12:45	04/08/21 07:25	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 07:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				04/07/21 12:45	04/08/21 07:25	1
1,4-Difluorobenzene (Surr)	98		70 - 130				04/07/21 12:45	04/08/21 07:25	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/07/21 10:39	04/07/21 22:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/21 10:39	04/07/21 22:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/21 10:39	04/07/21 22:49	1
Total TPH	<49.8	U	49.8		mg/Kg		04/07/21 10:39	04/07/21 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				04/07/21 10:39	04/07/21 22:49	1
o-Terphenyl	82		70 - 130				04/07/21 10:39	04/07/21 22:49	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		4.98		mg/Kg			04/09/21 10:08	1

Eurofins Xenco, Midland



## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

Client Sample ID: CS-4 (2.5')

Lab Sample ID: 880-1059-4

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 07:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 07:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 07:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/07/21 12:45	04/08/21 07:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 07:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/07/21 12:45	04/08/21 07:45	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 07:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/07/21 12:45	04/08/21 07:45	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/07/21 12:45	04/08/21 07:45	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	66.2		49.9		mg/Kg		04/07/21 10:39	04/07/21 23:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/07/21 23:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/07/21 23:11	1
Total TPH	66.2		49.9		mg/Kg		04/07/21 10:39	04/07/21 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	04/07/21 10:39	04/07/21 23:11	1
o-Terphenyl	90		70 - 130	04/07/21 10:39	04/07/21 23:11	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	135		5.02		mg/Kg			04/09/21 10:13	1

Client Sample ID: CS-5 (2.5')

Lab Sample ID: 880-1059-5

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/07/21 12:45	04/08/21 08:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/07/21 12:45	04/08/21 08:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/07/21 12:45	04/08/21 08:05	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/07/21 12:45	04/08/21 08:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/07/21 12:45	04/08/21 08:05	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/07/21 12:45	04/08/21 08:05	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		04/07/21 12:45	04/08/21 08:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/07/21 12:45	04/08/21 08:05	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/07/21 12:45	04/08/21 08:05	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/07/21 23:33	1

Eurofins Xenco, Midland



## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

Client Sample ID: CS-5 (2.5')

Lab Sample ID: 880-1059-5

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/07/21 23:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/07/21 23:33	1
Total TPH	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/07/21 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				04/07/21 10:39	04/07/21 23:33	1
o-Terphenyl	75		70 - 130				04/07/21 10:39	04/07/21 23:33	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		5.04		mg/Kg			04/09/21 10:19	1

Client Sample ID: CS-6 (2.5')

Lab Sample ID: 880-1059-6

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 08:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 08:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 08:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/07/21 12:45	04/08/21 08:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 08:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/07/21 12:45	04/08/21 08:26	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 08:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				04/07/21 12:45	04/08/21 08:26	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/07/21 12:45	04/08/21 08:26	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/07/21 23:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/07/21 23:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/07/21 23:53	1
Total TPH	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/07/21 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				04/07/21 10:39	04/07/21 23:53	1
o-Terphenyl	91		70 - 130				04/07/21 10:39	04/07/21 23:53	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		5.05		mg/Kg			04/09/21 10:35	1

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## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

Client Sample ID: SW-1

Lab Sample ID: 880-1059-7

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 08:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 08:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 08:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/07/21 12:45	04/08/21 08:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 08:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/07/21 12:45	04/08/21 08:46	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 08:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/07/21 12:45	04/08/21 08:46	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/07/21 12:45	04/08/21 08:46	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	65.9		50.0		mg/Kg		04/07/21 10:39	04/08/21 00:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/08/21 00:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/08/21 00:15	1
Total TPH	65.9		50.0		mg/Kg		04/07/21 10:39	04/08/21 00:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	04/07/21 10:39	04/08/21 00:15	1
o-Terphenyl	88		70 - 130	04/07/21 10:39	04/08/21 00:15	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	267		5.05		mg/Kg			04/09/21 10:41	1

Client Sample ID: SW-2

Lab Sample ID: 880-1059-8

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/07/21 12:45	04/08/21 09:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/07/21 12:45	04/08/21 09:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/07/21 12:45	04/08/21 09:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/07/21 12:45	04/08/21 09:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/07/21 12:45	04/08/21 09:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/07/21 12:45	04/08/21 09:07	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		04/07/21 12:45	04/08/21 09:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/07/21 12:45	04/08/21 09:07	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/07/21 12:45	04/08/21 09:07	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	77.4		49.8		mg/Kg		04/07/21 10:39	04/08/21 00:36	1

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## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

## Client Sample ID: SW-2

## Lab Sample ID: 880-1059-8

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/21 10:39	04/08/21 00:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/21 10:39	04/08/21 00:36	1
<b>Total TPH</b>	<b>77.4</b>		49.8		mg/Kg		04/07/21 10:39	04/08/21 00:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				04/07/21 10:39	04/08/21 00:36	1
o-Terphenyl	82		70 - 130				04/07/21 10:39	04/08/21 00:36	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.4		4.98		mg/Kg			04/09/21 10:46	1

## Client Sample ID: SW-3

## Lab Sample ID: 880-1059-9

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 10:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 10:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 10:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/07/21 12:45	04/08/21 10:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 10:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/07/21 12:45	04/08/21 10:28	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 10:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				04/07/21 12:45	04/08/21 10:28	1
1,4-Difluorobenzene (Surr)	104		70 - 130				04/07/21 12:45	04/08/21 10:28	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	81.1		49.8		mg/Kg		04/07/21 10:39	04/08/21 02:01	1
Diesel Range Organics (Over C10-C28)	574		49.8		mg/Kg		04/07/21 10:39	04/08/21 02:01	1
Oil Range Organics (Over C28-C36)	221		49.8		mg/Kg		04/07/21 10:39	04/08/21 02:01	1
<b>Total TPH</b>	<b>876</b>		49.8		mg/Kg		04/07/21 10:39	04/08/21 02:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				04/07/21 10:39	04/08/21 02:01	1
o-Terphenyl	98		70 - 130				04/07/21 10:39	04/08/21 02:01	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	425		4.95		mg/Kg			04/09/21 10:52	1

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## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

Client Sample ID: SW-4

Lab Sample ID: 880-1059-10

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 10:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 10:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 10:49	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/07/21 12:45	04/08/21 10:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 10:49	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/07/21 12:45	04/08/21 10:49	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 10:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/07/21 12:45	04/08/21 10:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/07/21 12:45	04/08/21 10:49	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	54.7		50.0		mg/Kg		04/07/21 10:39	04/08/21 02:22	1
Diesel Range Organics (Over C10-C28)	491		50.0		mg/Kg		04/07/21 10:39	04/08/21 02:22	1
Oil Range Organics (Over C28-C36)	187		50.0		mg/Kg		04/07/21 10:39	04/08/21 02:22	1
Total TPH	733		50.0		mg/Kg		04/07/21 10:39	04/08/21 02:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	04/07/21 10:39	04/08/21 02:22	1
o-Terphenyl	93		70 - 130	04/07/21 10:39	04/08/21 02:22	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	627		5.04		mg/Kg			04/09/21 10:57	1

Client Sample ID: SW-5

Lab Sample ID: 880-1059-11

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/07/21 12:45	04/08/21 11:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/07/21 12:45	04/08/21 11:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/07/21 12:45	04/08/21 11:09	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/07/21 12:45	04/08/21 11:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/07/21 12:45	04/08/21 11:09	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/07/21 12:45	04/08/21 11:09	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		04/07/21 12:45	04/08/21 11:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/07/21 12:45	04/08/21 11:09	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/07/21 12:45	04/08/21 11:09	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/08/21 00:57	1

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## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

## Client Sample ID: SW-5

## Lab Sample ID: 880-1059-11

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/08/21 00:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/08/21 00:57	1
Total TPH	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/08/21 00:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				04/07/21 10:39	04/08/21 00:57	1
o-Terphenyl	89		70 - 130				04/07/21 10:39	04/08/21 00:57	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.3		5.00		mg/Kg			04/09/21 11:03	1

## Client Sample ID: SW-6

## Lab Sample ID: 880-1059-12

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/07/21 12:45	04/08/21 11:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/07/21 12:45	04/08/21 11:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/07/21 12:45	04/08/21 11:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/07/21 12:45	04/08/21 11:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/07/21 12:45	04/08/21 11:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/07/21 12:45	04/08/21 11:30	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		04/07/21 12:45	04/08/21 11:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				04/07/21 12:45	04/08/21 11:30	1
1,4-Difluorobenzene (Surr)	102		70 - 130				04/07/21 12:45	04/08/21 11:30	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	67.0		50.0		mg/Kg		04/07/21 10:39	04/08/21 02:43	1
Diesel Range Organics (Over C10-C28)	403		50.0		mg/Kg		04/07/21 10:39	04/08/21 02:43	1
Oil Range Organics (Over C28-C36)	148		50.0		mg/Kg		04/07/21 10:39	04/08/21 02:43	1
Total TPH	618		50.0		mg/Kg		04/07/21 10:39	04/08/21 02:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				04/07/21 10:39	04/08/21 02:43	1
o-Terphenyl	83		70 - 130				04/07/21 10:39	04/08/21 02:43	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	431		4.98		mg/Kg			04/09/21 11:20	1

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## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

Client Sample ID: SW-7

Lab Sample ID: 880-1059-13

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 11:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 11:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 11:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/07/21 12:45	04/08/21 11:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 11:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/07/21 12:45	04/08/21 11:50	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 11:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	04/07/21 12:45	04/08/21 11:50	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/07/21 12:45	04/08/21 11:50	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	74.9		49.9		mg/Kg		04/07/21 10:39	04/08/21 01:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/08/21 01:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/07/21 10:39	04/08/21 01:18	1
Total TPH	74.9		49.9		mg/Kg		04/07/21 10:39	04/08/21 01:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	04/07/21 10:39	04/08/21 01:18	1
o-Terphenyl	81		70 - 130	04/07/21 10:39	04/08/21 01:18	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.1		5.04		mg/Kg			04/09/21 11:25	1

Client Sample ID: SW-8

Lab Sample ID: 880-1059-14

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/07/21 12:45	04/08/21 12:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/07/21 12:45	04/08/21 12:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/07/21 12:45	04/08/21 12:11	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/07/21 12:45	04/08/21 12:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/07/21 12:45	04/08/21 12:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/07/21 12:45	04/08/21 12:11	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		04/07/21 12:45	04/08/21 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	04/07/21 12:45	04/08/21 12:11	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/07/21 12:45	04/08/21 12:11	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/08/21 03:05	1

Eurofins Xenco, Midland



## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

Client Sample ID: SW-8

Lab Sample ID: 880-1059-14

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/08/21 03:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/08/21 03:05	1
Total TPH	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/08/21 03:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				04/07/21 10:39	04/08/21 03:05	1
o-Terphenyl	87		70 - 130				04/07/21 10:39	04/08/21 03:05	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			04/09/21 11:42	1

Client Sample ID: SW-9

Lab Sample ID: 880-1059-15

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 12:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 12:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 12:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/07/21 12:45	04/08/21 12:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 12:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/07/21 12:45	04/08/21 12:31	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/07/21 12:45	04/08/21 12:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				04/07/21 12:45	04/08/21 12:31	1
1,4-Difluorobenzene (Surr)	100		70 - 130				04/07/21 12:45	04/08/21 12:31	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	58.2		49.8		mg/Kg		04/07/21 10:39	04/08/21 03:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/07/21 10:39	04/08/21 03:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/07/21 10:39	04/08/21 03:26	1
Total TPH	58.2		49.8		mg/Kg		04/07/21 10:39	04/08/21 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				04/07/21 10:39	04/08/21 03:26	1
o-Terphenyl	86		70 - 130				04/07/21 10:39	04/08/21 03:26	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	348		4.95		mg/Kg			04/09/21 11:47	1

Eurofins Xenco, Midland



## Surrogate Summary

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-1059-1	CS-1 (1.5')	116	102
880-1059-2	CS-2 (1.5')	115	100
880-1059-3	CS-3 (1.5')	118	98
880-1059-4	CS-4 (2.5')	109	99
880-1059-5	CS-5 (2.5')	108	99
880-1059-6	CS-6 (2.5')	112	101
880-1059-7	SW-1	110	99
880-1059-8	SW-2	114	99
880-1059-9	SW-3	111	104
880-1059-10	SW-4	110	101
880-1059-11	SW-5	112	100
880-1059-12	SW-6	105	102
880-1059-13	SW-7	116	100
880-1059-14	SW-8	116	99
880-1059-15	SW-9	111	100
LCS 880-1434/1-A	Lab Control Sample	113	107
LCS 880-1448/1-A	Lab Control Sample	105	99
LCSD 880-1434/2-A	Lab Control Sample Dup	95	100
LCSD 880-1448/2-A	Lab Control Sample Dup	103	98
MB 880-1434/5-A	Method Blank	101	101
MB 880-1448/5-A	Method Blank	100	96
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-1059-1	CS-1 (1.5')	88	84
880-1059-1 MS	CS-1 (1.5')	97	80
880-1059-1 MSD	CS-1 (1.5')	87	74
880-1059-2	CS-2 (1.5')	82	78
880-1059-3	CS-3 (1.5')	87	82
880-1059-4	CS-4 (2.5')	93	90
880-1059-5	CS-5 (2.5')	80	75
880-1059-6	CS-6 (2.5')	93	91
880-1059-7	SW-1	94	88
880-1059-8	SW-2	88	82
880-1059-9	SW-3	109	98
880-1059-10	SW-4	108	93
880-1059-11	SW-5	96	89
880-1059-12	SW-6	96	83
880-1059-13	SW-7	88	81
880-1059-14	SW-8	95	87
880-1059-15	SW-9	91	86
LCS 880-1432/2-A	Lab Control Sample	105	92

Eurofins Xenco, Midland



## Surrogate Summary

Client: NT Global

Job ID: 880-1059-1

Project/Site: Zinnia Fed #1 2RP-759

SDG: Eddy County NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCSD 880-1432/3-A	Lab Control Sample Dup	103	91
MB 880-1432/1-A	Method Blank	107	106
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			



## QC Sample Results

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1434/5-A

Matrix: Solid

Analysis Batch: 1437

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/21 11:05	04/07/21 18:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 11:05	04/07/21 18:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 11:05	04/07/21 18:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/07/21 11:05	04/07/21 18:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 11:05	04/07/21 18:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/07/21 11:05	04/07/21 18:50	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/07/21 11:05	04/07/21 18:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/07/21 11:05	04/07/21 18:50	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/07/21 11:05	04/07/21 18:50	1

Lab Sample ID: LCS 880-1434/1-A

Matrix: Solid

Analysis Batch: 1437

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1167		mg/Kg		117	70 - 130
Toluene	0.100	0.1086		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1119		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2255		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1195		mg/Kg		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-1434/2-A

Matrix: Solid

Analysis Batch: 1437

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08693		mg/Kg		87	70 - 130	29	35
Toluene	0.100	0.08347		mg/Kg		83	70 - 130	26	35
Ethylbenzene	0.100	0.08614		mg/Kg		86	70 - 130	26	35
m-Xylene & p-Xylene	0.200	0.1683		mg/Kg		84	70 - 130	29	35
o-Xylene	0.100	0.08392		mg/Kg		84	70 - 130	35	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-1448/5-A

Matrix: Solid

Analysis Batch: 1437

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1448

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 05:41	1

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## QC Sample Results

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-1448/5-A

Matrix: Solid

Analysis Batch: 1437

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1448

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 05:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 05:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/07/21 12:45	04/08/21 05:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 05:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/07/21 12:45	04/08/21 05:41	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/07/21 12:45	04/08/21 05:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/07/21 12:45	04/08/21 05:41	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/07/21 12:45	04/08/21 05:41	1

Lab Sample ID: LCS 880-1448/1-A

Matrix: Solid

Analysis Batch: 1437

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1448

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07615		mg/Kg		76	70 - 130
Toluene	0.100	0.07745		mg/Kg		77	70 - 130
Ethylbenzene	0.100	0.08662		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1673		mg/Kg		84	70 - 130
o-Xylene	0.100	0.08750		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-1448/2-A

Matrix: Solid

Analysis Batch: 1437

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1448

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.07244		mg/Kg		72	70 - 130	5	35
Toluene	0.100	0.07509		mg/Kg		75	70 - 130	3	35
Ethylbenzene	0.100	0.08685		mg/Kg		87	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1680		mg/Kg		84	70 - 130	0	35
o-Xylene	0.100	0.08703		mg/Kg		87	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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## QC Sample Results

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-1432/1-A

Matrix: Solid

Analysis Batch: 1419

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1432

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/07/21 20:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/07/21 20:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/07/21 20:20	1
Total TPH	<50.0	U	50.0		mg/Kg		04/07/21 10:39	04/07/21 20:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	04/07/21 10:39	04/07/21 20:20	1
o-Terphenyl	106		70 - 130	04/07/21 10:39	04/07/21 20:20	1

Lab Sample ID: LCS 880-1432/2-A

Matrix: Solid

Analysis Batch: 1419

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1432

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1214		mg/Kg		121	70 - 130
Diesel Range Organics (Over C10-C28)	1000	986.5		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: LCSD 880-1432/3-A

Matrix: Solid

Analysis Batch: 1419

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1432

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1143		mg/Kg		114	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	965.5		mg/Kg		97	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: 880-1059-1 MS

Matrix: Solid

Analysis Batch: 1419

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 1432

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1273		mg/Kg		124	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	974.5		mg/Kg		95	70 - 130

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## QC Sample Results

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-1059-1 MS

Matrix: Solid

Analysis Batch: 1419

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 1432

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 880-1059-1 MSD

Matrix: Solid

Analysis Batch: 1419

Client Sample ID: CS-1 (1.5')

Prep Type: Total/NA

Prep Batch: 1432

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1103		mg/Kg		107	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	902.2		mg/Kg		87	70 - 130	8	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	87		70 - 130								
o-Terphenyl	74		70 - 130								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1544/1-A

Matrix: Solid

Analysis Batch: 1568

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			04/09/21 09:29	1	

Lab Sample ID: LCS 880-1544/2-A

Matrix: Solid

Analysis Batch: 1568

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	251.3		mg/Kg		101	90 - 110			

Lab Sample ID: LCSD 880-1544/3-A

Matrix: Solid

Analysis Batch: 1568

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	251.6		mg/Kg		101	90 - 110	0	20	

Lab Sample ID: 880-1059-1 MS

Matrix: Solid

Analysis Batch: 1568

Client Sample ID: CS-1 (1.5')

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	167		252	435.0		mg/Kg		107	90 - 110		

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## QC Sample Results

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-1059-1 MSD

Matrix: Solid

Analysis Batch: 1568

Client Sample ID: CS-1 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	167		252	431.4		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 880-1059-11 MS

Matrix: Solid

Analysis Batch: 1568

Client Sample ID: SW-5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	93.3		250	352.2		mg/Kg		104	90 - 110		

Lab Sample ID: 880-1059-11 MSD

Matrix: Solid

Analysis Batch: 1568

Client Sample ID: SW-5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	93.3		250	347.7		mg/Kg		102	90 - 110	1	20



## QC Association Summary

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

## GC VOA

## Prep Batch: 1434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1434/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1434/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1434/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 1437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1059-1	CS-1 (1.5')	Total/NA	Solid	8021B	1448
880-1059-2	CS-2 (1.5')	Total/NA	Solid	8021B	1448
880-1059-3	CS-3 (1.5')	Total/NA	Solid	8021B	1448
880-1059-4	CS-4 (2.5')	Total/NA	Solid	8021B	1448
880-1059-5	CS-5 (2.5')	Total/NA	Solid	8021B	1448
880-1059-6	CS-6 (2.5')	Total/NA	Solid	8021B	1448
880-1059-7	SW-1	Total/NA	Solid	8021B	1448
880-1059-8	SW-2	Total/NA	Solid	8021B	1448
880-1059-9	SW-3	Total/NA	Solid	8021B	1448
880-1059-10	SW-4	Total/NA	Solid	8021B	1448
880-1059-11	SW-5	Total/NA	Solid	8021B	1448
880-1059-12	SW-6	Total/NA	Solid	8021B	1448
880-1059-13	SW-7	Total/NA	Solid	8021B	1448
880-1059-14	SW-8	Total/NA	Solid	8021B	1448
880-1059-15	SW-9	Total/NA	Solid	8021B	1448
MB 880-1434/5-A	Method Blank	Total/NA	Solid	8021B	1434
MB 880-1448/5-A	Method Blank	Total/NA	Solid	8021B	1448
LCS 880-1434/1-A	Lab Control Sample	Total/NA	Solid	8021B	1434
LCS 880-1448/1-A	Lab Control Sample	Total/NA	Solid	8021B	1448
LCSD 880-1434/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1434
LCSD 880-1448/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1448

## Prep Batch: 1448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1059-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-1059-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-1059-3	CS-3 (1.5')	Total/NA	Solid	5035	
880-1059-4	CS-4 (2.5')	Total/NA	Solid	5035	
880-1059-5	CS-5 (2.5')	Total/NA	Solid	5035	
880-1059-6	CS-6 (2.5')	Total/NA	Solid	5035	
880-1059-7	SW-1	Total/NA	Solid	5035	
880-1059-8	SW-2	Total/NA	Solid	5035	
880-1059-9	SW-3	Total/NA	Solid	5035	
880-1059-10	SW-4	Total/NA	Solid	5035	
880-1059-11	SW-5	Total/NA	Solid	5035	
880-1059-12	SW-6	Total/NA	Solid	5035	
880-1059-13	SW-7	Total/NA	Solid	5035	
880-1059-14	SW-8	Total/NA	Solid	5035	
880-1059-15	SW-9	Total/NA	Solid	5035	
MB 880-1448/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1448/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1448/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Xenco, Midland



## QC Association Summary

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

## GC Semi VOA

## Analysis Batch: 1419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1059-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	1432
880-1059-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	1432
880-1059-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	1432
880-1059-4	CS-4 (2.5')	Total/NA	Solid	8015B NM	1432
880-1059-5	CS-5 (2.5')	Total/NA	Solid	8015B NM	1432
880-1059-6	CS-6 (2.5')	Total/NA	Solid	8015B NM	1432
880-1059-7	SW-1	Total/NA	Solid	8015B NM	1432
880-1059-8	SW-2	Total/NA	Solid	8015B NM	1432
880-1059-9	SW-3	Total/NA	Solid	8015B NM	1432
880-1059-10	SW-4	Total/NA	Solid	8015B NM	1432
880-1059-11	SW-5	Total/NA	Solid	8015B NM	1432
880-1059-12	SW-6	Total/NA	Solid	8015B NM	1432
880-1059-13	SW-7	Total/NA	Solid	8015B NM	1432
880-1059-14	SW-8	Total/NA	Solid	8015B NM	1432
880-1059-15	SW-9	Total/NA	Solid	8015B NM	1432
MB 880-1432/1-A	Method Blank	Total/NA	Solid	8015B NM	1432
LCS 880-1432/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1432
LCSD 880-1432/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1432
880-1059-1 MS	CS-1 (1.5')	Total/NA	Solid	8015B NM	1432
880-1059-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015B NM	1432

## Prep Batch: 1432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1059-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-1059-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-1059-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-1059-4	CS-4 (2.5')	Total/NA	Solid	8015NM Prep	
880-1059-5	CS-5 (2.5')	Total/NA	Solid	8015NM Prep	
880-1059-6	CS-6 (2.5')	Total/NA	Solid	8015NM Prep	
880-1059-7	SW-1	Total/NA	Solid	8015NM Prep	
880-1059-8	SW-2	Total/NA	Solid	8015NM Prep	
880-1059-9	SW-3	Total/NA	Solid	8015NM Prep	
880-1059-10	SW-4	Total/NA	Solid	8015NM Prep	
880-1059-11	SW-5	Total/NA	Solid	8015NM Prep	
880-1059-12	SW-6	Total/NA	Solid	8015NM Prep	
880-1059-13	SW-7	Total/NA	Solid	8015NM Prep	
880-1059-14	SW-8	Total/NA	Solid	8015NM Prep	
880-1059-15	SW-9	Total/NA	Solid	8015NM Prep	
MB 880-1432/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1432/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1432/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1059-1 MS	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-1059-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	

## HPLC/IC

## Leach Batch: 1544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1059-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-1059-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-1059-3	CS-3 (1.5')	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland



## QC Association Summary

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

## HPLC/IC (Continued)

## Leach Batch: 1544 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1059-4	CS-4 (2.5')	Soluble	Solid	DI Leach	
880-1059-5	CS-5 (2.5')	Soluble	Solid	DI Leach	
880-1059-6	CS-6 (2.5')	Soluble	Solid	DI Leach	
880-1059-7	SW-1	Soluble	Solid	DI Leach	
880-1059-8	SW-2	Soluble	Solid	DI Leach	
880-1059-9	SW-3	Soluble	Solid	DI Leach	
880-1059-10	SW-4	Soluble	Solid	DI Leach	
880-1059-11	SW-5	Soluble	Solid	DI Leach	
880-1059-12	SW-6	Soluble	Solid	DI Leach	
880-1059-13	SW-7	Soluble	Solid	DI Leach	
880-1059-14	SW-8	Soluble	Solid	DI Leach	
880-1059-15	SW-9	Soluble	Solid	DI Leach	
MB 880-1544/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1544/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1544/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1059-1 MS	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-1059-1 MSD	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-1059-11 MS	SW-5	Soluble	Solid	DI Leach	
880-1059-11 MSD	SW-5	Soluble	Solid	DI Leach	

## Analysis Batch: 1568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1059-1	CS-1 (1.5')	Soluble	Solid	300.0	1544
880-1059-2	CS-2 (1.5')	Soluble	Solid	300.0	1544
880-1059-3	CS-3 (1.5')	Soluble	Solid	300.0	1544
880-1059-4	CS-4 (2.5')	Soluble	Solid	300.0	1544
880-1059-5	CS-5 (2.5')	Soluble	Solid	300.0	1544
880-1059-6	CS-6 (2.5')	Soluble	Solid	300.0	1544
880-1059-7	SW-1	Soluble	Solid	300.0	1544
880-1059-8	SW-2	Soluble	Solid	300.0	1544
880-1059-9	SW-3	Soluble	Solid	300.0	1544
880-1059-10	SW-4	Soluble	Solid	300.0	1544
880-1059-11	SW-5	Soluble	Solid	300.0	1544
880-1059-12	SW-6	Soluble	Solid	300.0	1544
880-1059-13	SW-7	Soluble	Solid	300.0	1544
880-1059-14	SW-8	Soluble	Solid	300.0	1544
880-1059-15	SW-9	Soluble	Solid	300.0	1544
MB 880-1544/1-A	Method Blank	Soluble	Solid	300.0	1544
LCS 880-1544/2-A	Lab Control Sample	Soluble	Solid	300.0	1544
LCSD 880-1544/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1544
880-1059-1 MS	CS-1 (1.5')	Soluble	Solid	300.0	1544
880-1059-1 MSD	CS-1 (1.5')	Soluble	Solid	300.0	1544
880-1059-11 MS	SW-5	Soluble	Solid	300.0	1544
880-1059-11 MSD	SW-5	Soluble	Solid	300.0	1544

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## Lab Chronicle

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

## Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-1059-1

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1448	04/07/21 12:45	KL	XM
Total/NA	Analysis	8021B		1	1437	04/08/21 06:44	KL	XM
Total/NA	Prep	8015NM Prep			1432	04/07/21 10:39	AJ	XM
Total/NA	Analysis	8015B NM		1	1419	04/07/21 21:24	AJ	XM
Soluble	Leach	DI Leach			1544	04/08/21 15:31	CH	XM
Soluble	Analysis	300.0		1	1568	04/09/21 09:45	CH	XM

## Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-1059-2

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1448	04/07/21 12:45	KL	XM
Total/NA	Analysis	8021B		1	1437	04/08/21 07:04	KL	XM
Total/NA	Prep	8015NM Prep			1432	04/07/21 10:39	AJ	XM
Total/NA	Analysis	8015B NM		1	1419	04/07/21 22:28	AJ	XM
Soluble	Leach	DI Leach			1544	04/08/21 15:31	CH	XM
Soluble	Analysis	300.0		1	1568	04/09/21 10:02	CH	XM

## Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-1059-3

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1448	04/07/21 12:45	KL	XM
Total/NA	Analysis	8021B		1	1437	04/08/21 07:25	KL	XM
Total/NA	Prep	8015NM Prep			1432	04/07/21 10:39	AJ	XM
Total/NA	Analysis	8015B NM		1	1419	04/07/21 22:49	AJ	XM
Soluble	Leach	DI Leach			1544	04/08/21 15:31	CH	XM
Soluble	Analysis	300.0		1	1568	04/09/21 10:08	CH	XM

## Client Sample ID: CS-4 (2.5')

Lab Sample ID: 880-1059-4

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1448	04/07/21 12:45	KL	XM
Total/NA	Analysis	8021B		1	1437	04/08/21 07:45	KL	XM
Total/NA	Prep	8015NM Prep			1432	04/07/21 10:39	AJ	XM
Total/NA	Analysis	8015B NM		1	1419	04/07/21 23:11	AJ	XM
Soluble	Leach	DI Leach			1544	04/08/21 15:31	CH	XM
Soluble	Analysis	300.0		1	1568	04/09/21 10:13	CH	XM

Eurofins Xenco, Midland



## Lab Chronicle

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

## Client Sample ID: CS-5 (2.5')

Lab Sample ID: 880-1059-5

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1448	04/07/21 12:45	KL	XM
Total/NA	Analysis	8021B		1	1437	04/08/21 08:05	KL	XM
Total/NA	Prep	8015NM Prep			1432	04/07/21 10:39	AJ	XM
Total/NA	Analysis	8015B NM		1	1419	04/07/21 23:33	AJ	XM
Soluble	Leach	DI Leach			1544	04/08/21 15:31	CH	XM
Soluble	Analysis	300.0		1	1568	04/09/21 10:19	CH	XM

## Client Sample ID: CS-6 (2.5')

Lab Sample ID: 880-1059-6

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1448	04/07/21 12:45	KL	XM
Total/NA	Analysis	8021B		1	1437	04/08/21 08:26	KL	XM
Total/NA	Prep	8015NM Prep			1432	04/07/21 10:39	AJ	XM
Total/NA	Analysis	8015B NM		1	1419	04/07/21 23:53	AJ	XM
Soluble	Leach	DI Leach			1544	04/08/21 15:31	CH	XM
Soluble	Analysis	300.0		1	1568	04/09/21 10:35	CH	XM

## Client Sample ID: SW-1

Lab Sample ID: 880-1059-7

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1448	04/07/21 12:45	KL	XM
Total/NA	Analysis	8021B		1	1437	04/08/21 08:46	KL	XM
Total/NA	Prep	8015NM Prep			1432	04/07/21 10:39	AJ	XM
Total/NA	Analysis	8015B NM		1	1419	04/08/21 00:15	AJ	XM
Soluble	Leach	DI Leach			1544	04/08/21 15:31	CH	XM
Soluble	Analysis	300.0		1	1568	04/09/21 10:41	CH	XM

## Client Sample ID: SW-2

Lab Sample ID: 880-1059-8

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1448	04/07/21 12:45	KL	XM
Total/NA	Analysis	8021B		1	1437	04/08/21 09:07	KL	XM
Total/NA	Prep	8015NM Prep			1432	04/07/21 10:39	AJ	XM
Total/NA	Analysis	8015B NM		1	1419	04/08/21 00:36	AJ	XM
Soluble	Leach	DI Leach			1544	04/08/21 15:31	CH	XM
Soluble	Analysis	300.0		1	1568	04/09/21 10:46	CH	XM

Eurofins Xenco, Midland



## Lab Chronicle

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

## Client Sample ID: SW-3

## Lab Sample ID: 880-1059-9

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1448	04/07/21 12:45	KL	XM
Total/NA	Analysis	8021B		1	1437	04/08/21 10:28	KL	XM
Total/NA	Prep	8015NM Prep			1432	04/07/21 10:39	AJ	XM
Total/NA	Analysis	8015B NM		1	1419	04/08/21 02:01	AJ	XM
Soluble	Leach	DI Leach			1544	04/08/21 15:31	CH	XM
Soluble	Analysis	300.0		1	1568	04/09/21 10:52	CH	XM

## Client Sample ID: SW-4

## Lab Sample ID: 880-1059-10

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1448	04/07/21 12:45	KL	XM
Total/NA	Analysis	8021B		1	1437	04/08/21 10:49	KL	XM
Total/NA	Prep	8015NM Prep			1432	04/07/21 10:39	AJ	XM
Total/NA	Analysis	8015B NM		1	1419	04/08/21 02:22	AJ	XM
Soluble	Leach	DI Leach			1544	04/08/21 15:31	CH	XM
Soluble	Analysis	300.0		1	1568	04/09/21 10:57	CH	XM

## Client Sample ID: SW-5

## Lab Sample ID: 880-1059-11

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1448	04/07/21 12:45	KL	XM
Total/NA	Analysis	8021B		1	1437	04/08/21 11:09	KL	XM
Total/NA	Prep	8015NM Prep			1432	04/07/21 10:39	AJ	XM
Total/NA	Analysis	8015B NM		1	1419	04/08/21 00:57	AJ	XM
Soluble	Leach	DI Leach			1544	04/08/21 15:31	CH	XM
Soluble	Analysis	300.0		1	1568	04/09/21 11:03	CH	XM

## Client Sample ID: SW-6

## Lab Sample ID: 880-1059-12

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1448	04/07/21 12:45	KL	XM
Total/NA	Analysis	8021B		1	1437	04/08/21 11:30	KL	XM
Total/NA	Prep	8015NM Prep			1432	04/07/21 10:39	AJ	XM
Total/NA	Analysis	8015B NM		1	1419	04/08/21 02:43	AJ	XM
Soluble	Leach	DI Leach			1544	04/08/21 15:31	CH	XM
Soluble	Analysis	300.0		1	1568	04/09/21 11:20	CH	XM

Eurofins Xenco, Midland



## Lab Chronicle

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

Client Sample ID: SW-7

Lab Sample ID: 880-1059-13

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1448	04/07/21 12:45	KL	XM
Total/NA	Analysis	8021B		1	1437	04/08/21 11:50	KL	XM
Total/NA	Prep	8015NM Prep			1432	04/07/21 10:39	AJ	XM
Total/NA	Analysis	8015B NM		1	1419	04/08/21 01:18	AJ	XM
Soluble	Leach	DI Leach			1544	04/08/21 15:31	CH	XM
Soluble	Analysis	300.0		1	1568	04/09/21 11:25	CH	XM

Client Sample ID: SW-8

Lab Sample ID: 880-1059-14

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1448	04/07/21 12:45	KL	XM
Total/NA	Analysis	8021B		1	1437	04/08/21 12:11	KL	XM
Total/NA	Prep	8015NM Prep			1432	04/07/21 10:39	AJ	XM
Total/NA	Analysis	8015B NM		1	1419	04/08/21 03:05	AJ	XM
Soluble	Leach	DI Leach			1544	04/08/21 15:31	CH	XM
Soluble	Analysis	300.0		1	1568	04/09/21 11:42	CH	XM

Client Sample ID: SW-9

Lab Sample ID: 880-1059-15

Date Collected: 04/05/21 00:00

Matrix: Solid

Date Received: 04/06/21 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1448	04/07/21 12:45	KL	XM
Total/NA	Analysis	8021B		1	1437	04/08/21 12:31	KL	XM
Total/NA	Prep	8015NM Prep			1432	04/07/21 10:39	AJ	XM
Total/NA	Analysis	8015B NM		1	1419	04/08/21 03:26	AJ	XM
Soluble	Leach	DI Leach			1544	04/08/21 15:31	CH	XM
Soluble	Analysis	300.0		1	1568	04/09/21 11:47	CH	XM

## Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland



Accreditation/Certification Summary

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

1
2
3
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5
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## Method Summary

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland



## Sample Summary

Client: NT Global  
Project/Site: Zinnia Fed #1 2RP-759

Job ID: 880-1059-1  
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1059-1	CS-1 (1.5')	Solid	04/05/21 00:00	04/06/21 15:30	
880-1059-2	CS-2 (1.5')	Solid	04/05/21 00:00	04/06/21 15:30	
880-1059-3	CS-3 (1.5')	Solid	04/05/21 00:00	04/06/21 15:30	
880-1059-4	CS-4 (2.5')	Solid	04/05/21 00:00	04/06/21 15:30	
880-1059-5	CS-5 (2.5')	Solid	04/05/21 00:00	04/06/21 15:30	
880-1059-6	CS-6 (2.5')	Solid	04/05/21 00:00	04/06/21 15:30	
880-1059-7	SW-1	Solid	04/05/21 00:00	04/06/21 15:30	
880-1059-8	SW-2	Solid	04/05/21 00:00	04/06/21 15:30	
880-1059-9	SW-3	Solid	04/05/21 00:00	04/06/21 15:30	
880-1059-10	SW-4	Solid	04/05/21 00:00	04/06/21 15:30	
880-1059-11	SW-5	Solid	04/05/21 00:00	04/06/21 15:30	
880-1059-12	SW-6	Solid	04/05/21 00:00	04/06/21 15:30	
880-1059-13	SW-7	Solid	04/05/21 00:00	04/06/21 15:30	
880-1059-14	SW-8	Solid	04/05/21 00:00	04/06/21 15:30	
880-1059-15	SW-9	Solid	04/05/21 00:00	04/06/21 15:30	





880-1059 Chain of Custody

**Work Order No:** \_\_\_\_\_

£80-1054

Page 1 of 2



Project Manager	Mike Carmona	Bill to (if different)	James Kennedy
Company Name	NTG Environmental	Company Name	EOG Resources
Address	701 Tradewinds BLVD	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, Tx 79706
Phone:	432-813-0263	Email	James_Kennedy@eogresources

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Crownfields <input type="checkbox"/> IRC <input type="checkbox"/> <input type="checkbox"/> perfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other	

[illegible]

**Additoinal Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenoco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenoco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenoco. A minimum charge of \$35.00 will be applied to each project and a charge of \$3 for each sample submitted to Xenoco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		4/6/15 5:50			





## Chain of Custody

**Work Order No:** \_\_\_\_\_

880-1059

Page 2 of 2



Project Manager	Mike Carmona	Bill to (if different)	James Kennedy
Company Name	NTG Environmental	Company Name:	EOG Resources
Address:	701 Tradewinds BLVD	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland Tx 79706
Phone	432-813-0263	Email:	James_Kennedy@eogresources

Work Order Comments									
Program.	UST/PT	<input type="checkbox"/> PRP	<input type="checkbox"/> Brownfields	<input type="checkbox"/> RC	<input type="checkbox"/> Superfund	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State of Project:									
Reporting Level II	<input type="checkbox"/>	Level III	<input type="checkbox"/>	PT/UST	<input type="checkbox"/>	RRP	<input type="checkbox"/>	Level IV	<input type="checkbox"/>
Deliverables	EDD	<input type="checkbox"/>	ADAPT	<input type="checkbox"/>	Other				

[illegible]

**Additional Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenoco. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenoco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenoco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenoco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 		4/16 15:30	2		
2			4		
5			6		



## Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-1059-1  
SDG Number: Eddy County NM

Login Number: 1059

List Number: 1

Creator: Phillips, Kerianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	





## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-1259-1

Laboratory Sample Delivery Group: Eddy Co, NM  
Client Project/Site: Zinnia Fed Unit #1 2RP-759

**For:**

NT Global  
701 Tradewinds Blvd  
Midland, Texas 79706

Attn: Mike Carmona

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:  
4/15/2021 6:20:00 PM

Jessica Kramer, Project Manager  
(432)704-5440  
[jessica.kramer@eurofinset.com](mailto:jessica.kramer@eurofinset.com)

#### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-759

Laboratory Job ID: 880-1259-1  
SDG: Eddy Co, NM

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## Definitions/Glossary

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-759

Job ID: 880-1259-1  
SDG: Eddy Co, NM

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count



## Case Narrative

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-759

Job ID: 880-1259-1  
SDG: Eddy Co, NM

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**Job ID: 880-1259-1**

---

**Laboratory: Eurofins Xenco, Midland**

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**Narrative**

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**Job Narrative**  
**880-1259-1**

**Receipt**

The samples were received on 4/13/2021 4:27 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.5°C

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.



## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-759

Job ID: 880-1259-1  
SDG: Eddy Co, NM

Client Sample ID: SW-3

Lab Sample ID: 880-1259-1

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/14/21 10:34	04/14/21 22:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/14/21 10:34	04/14/21 22:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/14/21 10:34	04/14/21 22:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/14/21 10:34	04/14/21 22:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/14/21 10:34	04/14/21 22:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/14/21 10:34	04/14/21 22:12	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/14/21 10:34	04/14/21 22:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	04/14/21 10:34	04/14/21 22:12	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/14/21 10:34	04/14/21 22:12	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 17:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		04/14/21 08:54	04/14/21 17:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 17:07	1
Total TPH	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	04/14/21 08:54	04/14/21 17:07	1
o-Terphenyl	106		70 - 130	04/14/21 08:54	04/14/21 17:07	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.5		4.97		mg/Kg			04/13/21 23:50	1

Client Sample ID: SW-4

Lab Sample ID: 880-1259-2

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/14/21 10:34	04/14/21 22:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/14/21 10:34	04/14/21 22:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/14/21 10:34	04/14/21 22:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/14/21 10:34	04/14/21 22:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/14/21 10:34	04/14/21 22:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/14/21 10:34	04/14/21 22:38	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/14/21 10:34	04/14/21 22:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	04/14/21 10:34	04/14/21 22:38	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/14/21 10:34	04/14/21 22:38	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 17:29	1

Eurofins Xenco, Midland



## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-759

Job ID: 880-1259-1  
SDG: Eddy Co, NM

## Client Sample ID: SW-4

## Lab Sample ID: 880-1259-2

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		04/14/21 08:54	04/14/21 17:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 17:29	1
Total TPH	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				04/14/21 08:54	04/14/21 17:29	1
o-Terphenyl	102		70 - 130				04/14/21 08:54	04/14/21 17:29	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.7		4.99		mg/Kg			04/13/21 23:56	1

## Client Sample ID: SW-6

## Lab Sample ID: 880-1259-3

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/14/21 10:34	04/14/21 23:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/14/21 10:34	04/14/21 23:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/14/21 10:34	04/14/21 23:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/14/21 10:34	04/14/21 23:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/14/21 10:34	04/14/21 23:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/14/21 10:34	04/14/21 23:03	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/14/21 10:34	04/14/21 23:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				04/14/21 10:34	04/14/21 23:03	1
1,4-Difluorobenzene (Surr)	107		70 - 130				04/14/21 10:34	04/14/21 23:03	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 17:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0		mg/Kg		04/14/21 08:54	04/14/21 17:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 17:50	1
Total TPH	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				04/14/21 08:54	04/14/21 17:50	1
o-Terphenyl	103		70 - 130				04/14/21 08:54	04/14/21 17:50	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.8		4.97		mg/Kg			04/14/21 00:01	1

Eurofins Xenco, Midland



## Surrogate Summary

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-759

Job ID: 880-1259-1  
SDG: Eddy Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-1259-1	SW-3	139 S1+	107
880-1259-2	SW-4	136 S1+	107
880-1259-3	SW-6	133 S1+	107
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-1259-1	SW-3	117	106
880-1259-2	SW-4	109	102
880-1259-3	SW-6	109	103
LCS 880-1765/2-A	Lab Control Sample	110	92
LCSD 880-1765/3-A	Lab Control Sample Dup	145 S1+	141 S1+
MB 880-1765/1-A	Method Blank	100	99
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Xenco, Midland



## QC Sample Results

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-759

Job ID: 880-1259-1  
SDG: Eddy Co, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-1765/1-A

Matrix: Solid

Analysis Batch: 1773

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1765

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 11:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 11:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 11:26	1
Total TPH	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/14/21 08:54	04/14/21 11:26	1
o-Terphenyl	99		70 - 130	04/14/21 08:54	04/14/21 11:26	1

Lab Sample ID: LCS 880-1765/2-A

Matrix: Solid

Analysis Batch: 1773

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1765

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1249		mg/Kg		125	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1042		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: LCSD 880-1765/3-A

Matrix: Solid

Analysis Batch: 1773

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1765

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1300		mg/Kg		130	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1565	*+ *1	mg/Kg		156	70 - 130	40	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	145	S1+	70 - 130
o-Terphenyl	141	S1+	70 - 130

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1722/1-A

Matrix: Solid

Analysis Batch: 1753

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/13/21 21:15	1

Eurofins Xenco, Midland



## QC Sample Results

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-759

Job ID: 880-1259-1  
SDG: Eddy Co, NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-1722/2-A

Matrix: Solid

Analysis Batch: 1753

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	249.8		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-1722/3-A

Matrix: Solid

Analysis Batch: 1753

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	248.8		mg/Kg		100	90 - 110	0	20



## QC Association Summary

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-759

Job ID: 880-1259-1  
SDG: Eddy Co, NM

## GC VOA

## Prep Batch: 1790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1259-1	SW-3	Total/NA	Solid	5035	
880-1259-2	SW-4	Total/NA	Solid	5035	
880-1259-3	SW-6	Total/NA	Solid	5035	

## Analysis Batch: 1791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1259-1	SW-3	Total/NA	Solid	8021B	1790
880-1259-2	SW-4	Total/NA	Solid	8021B	1790
880-1259-3	SW-6	Total/NA	Solid	8021B	1790

## GC Semi VOA

## Prep Batch: 1765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1259-1	SW-3	Total/NA	Solid	8015NM Prep	
880-1259-2	SW-4	Total/NA	Solid	8015NM Prep	
880-1259-3	SW-6	Total/NA	Solid	8015NM Prep	
MB 880-1765/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1765/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 1773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1259-1	SW-3	Total/NA	Solid	8015B NM	1765
880-1259-2	SW-4	Total/NA	Solid	8015B NM	1765
880-1259-3	SW-6	Total/NA	Solid	8015B NM	1765
MB 880-1765/1-A	Method Blank	Total/NA	Solid	8015B NM	1765
LCS 880-1765/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1765
LCSD 880-1765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1765

## HPLC/IC

## Leach Batch: 1722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1259-1	SW-3	Soluble	Solid	DI Leach	
880-1259-2	SW-4	Soluble	Solid	DI Leach	
880-1259-3	SW-6	Soluble	Solid	DI Leach	
MB 880-1722/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1722/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1722/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Analysis Batch: 1753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1259-1	SW-3	Soluble	Solid	300.0	1722
880-1259-2	SW-4	Soluble	Solid	300.0	1722
880-1259-3	SW-6	Soluble	Solid	300.0	1722
MB 880-1722/1-A	Method Blank	Soluble	Solid	300.0	1722
LCS 880-1722/2-A	Lab Control Sample	Soluble	Solid	300.0	1722
LCSD 880-1722/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1722

Eurofins Xenco, Midland



## Lab Chronicle

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-759

Job ID: 880-1259-1  
SDG: Eddy Co, NM

## Client Sample ID: SW-3

## Lab Sample ID: 880-1259-1

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1790	04/14/21 10:34	MR	XM
Total/NA	Analysis	8021B		1	1791	04/14/21 22:12	MR	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 17:07	AJ	XM
Soluble	Leach	DI Leach			1722	04/13/21 16:50	SC	XM
Soluble	Analysis	300.0		1	1753	04/13/21 23:50	CH	XM

## Client Sample ID: SW-4

## Lab Sample ID: 880-1259-2

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1790	04/14/21 10:34	MR	XM
Total/NA	Analysis	8021B		1	1791	04/14/21 22:38	MR	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 17:29	AJ	XM
Soluble	Leach	DI Leach			1722	04/13/21 16:50	SC	XM
Soluble	Analysis	300.0		1	1753	04/13/21 23:56	CH	XM

## Client Sample ID: SW-6

## Lab Sample ID: 880-1259-3

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1790	04/14/21 10:34	MR	XM
Total/NA	Analysis	8021B		1	1791	04/14/21 23:03	MR	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 17:50	AJ	XM
Soluble	Leach	DI Leach			1722	04/13/21 16:50	SC	XM
Soluble	Analysis	300.0		1	1753	04/14/21 00:01	CH	XM

## Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland



Accreditation/Certification Summary

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-759

Job ID: 880-1259-1  
SDG: Eddy Co, NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX



## Method Summary

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-759

Job ID: 880-1259-1  
SDG: Eddy Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

**Protocol References:**

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland



Sample Summary

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-759

Job ID: 880-1259-1  
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1259-1	SW-3	Solid	04/12/21 00:00	04/13/21 16:27	
880-1259-2	SW-4	Solid	04/12/21 00:00	04/13/21 16:27	
880-1259-3	SW-6	Solid	04/12/21 00:00	04/13/21 16:27	

- 1
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- 12
- 13
- 14





880-1259 Chain of Custody



**880-1259**

Page 1 of 1

Project Manager	Mike Carmona	Bill to (if different)	James Kennedy
Company Name:	NTG Environmental	Company Name	EOG Resources
Address:	701 Tradewinds BLVD	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, Tx 79706
Phone:	432-813-0263	Email	James_Kennedy@eoqresources

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other	

Project Name:		214052		Turn Around			
Project Number		Zirinia Fed Unit #1 ZRP-759		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			
Project Location		Eddy Co. NM		Due Date:		48HR	
Sampler's Name:		CRM		TAT starts the day received by the lab if received by 4:30pm			
PO #:							
<b>SAMPLE RECEIPT</b>		Temp Blank:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Wet Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Received Intact:		(Yes) No		Thermometer ID:		128	
Cooler Custody Seals:		Yes No		Correction Factor:		+0.5	
Sample Custody Seals:		Yes No		Temperature Reading:		4.0	
Total Containers:				Corrected Temperature:		4.5	
<b>Parameters</b>				<b>ANALYSIS REQUEST</b>			
BTX 8021B				Pres. Code			
8015M ( GRO + DRO + MRO)							
Chlordie 300 0							
HOLD							
None NO				Preservative Codes			
Cool Cool				DI Water- H <sub>2</sub> O			
HCL. HC				MeOH Me			
H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>				HNO <sub>3</sub> HN			
H <sub>3</sub> PO <sub>4</sub> HP				NaOH Na			
NaHSO <sub>4</sub> . NABIS							
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>							
Zn Acetate+NaOH Zn							
NaOH+Ascorbic Acid SAPC							

[illegible]

**Additional Comments:**

**Notice:** Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	4/14/21 1627 <sup>2</sup>			



## Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-1259-1

SDG Number: Eddy Co, NM

Login Number: 1259

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No sample times
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 54744

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 54744
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	11/16/2021